1967
CENSUS OF MANUFACTURES

FUELS AND ELECTRIC ENERGY CONSUMED

1967 CENSUS OF MANUFACTURES

C67(S)-4

Fuels and Electric Energy Consumed

S., DEPARTMENT
OF COMMERCE
Bureau of
the Census

PUBLICATION PROGRAM
1967 CENSUS OF MANUFACTURES

Industry Series (80 reports, Series MC67(2)-20A to 39D). Each report provides information for a group of related industries (e.g., dairy products). Final figures for the United States are shown for each of the 422 manufacturing industries on quantity and value of products shipped and materials consumed, cost of fuels and electric energy, capital expenditures, inventories, employment, payrolls, man-hours, value added by manufacturing, number of establishments, and number of companies. Comparable statistics for earlier years are provided where available.

For each industry, data on value of shipments, value added by manufacturing, capital expenditures, employment, and payrolls are shown by geographic region and State, employment-size class of establishment, and by degree of primary product specialization.

Area Series (51 reports, Series MC67(3)-1 to 51). A separate report for each State and the District of Columbia presents data for industries and industry groups on value of shipments, value added by manufacturing, employment, payrolls, man-hours, new capital expenditures, inventories, and number of manufacturing establishments. Comparable statistics for earlier years are provided. Similar totals for all manufacturing industries are also shown for counties, standard metropolitan statistical areas and their central cities, and other cities with significant manufacturing activity. For selected standard metropolitan statistical areas and larger counties, data are shown by industry groups. The number of establishments in each major industry group is presented by size of establishment, county, standard metropolitan statistical area, and city.

Summary and Subject Series (about 12 reports, Series MC67(1)-1 to 12). Each report contains detailed final statistics for an individual subject, such as size of establishments, inventories, capital expenditures, fuels and electric energy, water consumption, and distribution of sales of manufactured products.

Special Report Series (about 8 reports, Series MC67 (S)-1 to 8). Each report covers a subject such as concentration ratios in manufacturing; consumption of selected metal mill shapes and forms, by geographic area; industry descriptions; and manufacturing activity in government owned and operated establishments.

After separate final reports have been issued, they will be assembled and bound as follows:

Volume I, Summary and Subject Statistics
Volume II, Industry Statistics
Volume III, Area Statistics

Suggested Citation

U.S. Bureau of the Census, Census of Manufactures, 1967

SPECIAL SERIES: Fuels and Electric Energy Consumed MC67(S)-4

U.S. Government Printing Office, Washington, D. C., 1971

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402, or any Department of Commerce field office. Price 40 cents.
Stock Number 0301-2269

BUREAU OF THE CENSUS

George Hay Brown, Director

Walter F. Ryan, Associate Director

Dino S. Villa, Deputy Associate Director

INDUSTRY DIVISION

Owen C. Gretton, Chief

ACKNOWLEDGMENTS—This report was prepared in the Industry Division under the direction o **William R. Gray. Elmer S. Biles** and **Louis J. Owen** provided general guidance and coordination t the project. **Angele R. Daly** coordinated, for the Division, the publication phases of the project.

Systems and procedures were developed in the Systems Division, **Sol Dolleck,** Chief, by Eugen **Wendt** assisted by **Samuel Schweid.** Clerical procedures were developed by **Alvin Barten, Evelyn V Williams, Carmen Taylor, Geraldine Manuel, Carl Mueller, Thomas Lowenstein,** and **Jack Margolis** Electronic computer programs for check-in, geographic coding, and administrative records wer developed and supervised by **Charles Venters** and **Terence McDowell** under the direction of **Zigmun Decker** and **Andrew Grieco. Gene Haggy, James Moyers, Paul Poissant,** and **Stephan Potemki** developed and supervised the electronic computer editing and tabulation programs under th direction of **Mery H. Johnson.** Quality control plans and procedures were developed and supervise by **Maxwell D. Jeane,** assisted by **John Powell** and **Carl Jablin.** Data input procedures were develope and supervised by **Leonard Tauber** assisted by **Paul Blackmer.** Production controls were establishe under the supervision of **Francis Boucher** and **James R. Pepal.**

Processing of reports was performed by the Jeffersonville Census Operations Division, **Joseph F Arbena,** Chief, by **James S. Werking** assisted by **Margaret Rommel** and **Jordan Horne.** Clerica processing was supervised by **Charles Adams** and quality control plans and procedures wer implemented and monitored under the direction of **Kathern Clay.**

Data processing and related operations were performed by the Processing Division, **M. Dougla Fehey,** Chief, assisted by **R. M. Micoly, James Shores,** and **E. R. Bourdon.**

Report planning and editorial review were provided by **Geraldine Censky** and **Frances Bresnahan** o the Administrative and Publications Services Division.

Arthur Horowitz, in his capacity as the coordinator of the economic censuses, made importe contributions to the planning and operational phases of the work. **Robert Parker** contributed in th analysis of reports for the large and complex corporate organizations. **James Corbett** developed th computer systems for disclosure analysis, assisted by **Robert Reynolds.**

Special acknowledgment is due to the many businesses whose cooperation has contributed to th publicetion of the data.

1967 CENSUS OF MANUFACTURES

MC67(S)-4

Special Report

Fuels and Electric Energy Consumed

Issued June 1971

U.S. DEPARTMENT OF COMMERCE **Maurice H. Stans,** Secretary
James T. Lynn, Under Secretary
Harold C. Passer, Assistant Secretary for Economic Affairs
BUREAU OF THE CENSUS **George Hay Brown,** Director

GENERAL—This report, from the 1967 Census of Manufactures, is one of a series of special reports each of which provides statistics on special subjects of importance, namely distribution of sales by class of customer; fuels and electric energy consumed; and selected materials consumed. The nature of these special reports; the complexity of the procedures required to review the data; and the amount of time needed to analyze the data precluded their being incorporated into the final 1967 Census of Manufactures volumes, which cover a number of special subject-matter areas in addition to those listed above. The content of these volumes is as follows: *Volume I, Summary Statistics,* shows comparative statistics for industries, States, and standard metropolitan statistical areas on the more important measures of the activity of manufacturing establishments—employment, payrolls, inventories, capital expenditures, value added by manufacture, important materials consumed, etc.; *Volume II, Industry Statistics,* contains a consolidation of reports for the 80 groups of industries and includes the information shown in this report; *Volume III, Area Statistics,* contains general statistics (number of establishments, employment, payrolls, value added by manufacture, and capital expenditures) for each State and its important standard metropolitan statistical areas and counties, by industry groups and important individual industries. Totals for "all manufacturing" will be shown for counties and cities with more than 450 manufacturing employees.

The "Introduction" to the final volumes of the census of manufactures treats, at greater length, many of the subjects described in this introduction. For example, the volume text discusses the relationship of value added by manufacture to national income by industrial origin; the changes in statistical concepts over the history of the census; the valuation problems arising from intracompany transfers between manufacturing plants of a company and between manufacturing plants and sales offices and sales branches of a company.

The 1967 census is the 28th census of manufactures of the United States. The first census of manufactures covered 1809, and (with the exception of 1829) a census was taken at 10-year intervals in connection with the decennial census of population up to and including 1899. It was conducted at 5-year intervals from 1904 through 1919, and every other year from 1921 through 1939. The census was suspended during World War II, but it was resumed for 1947. Present legislation (Title 13, United States Code) provides for a census of manufactures every 5 years, with annual sample surveys authorized for interim years. Such "Annual Surveys of Manufactures" were taken during the years 1949 through 1953, 1955 through 1957, 1959 through 1962, 1964 through 1966, and for the year 1968. The current legislation stipulates that the census be conducted covering years ending in "2" and "7." Thus, the next census will be taken in 1973 covering manufacturing activity during 1972.

The 1967 Census of Manufactures was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries, covering the United States, Guam, and the Virgin Islands. Separate censuses of manufactures and business for 1967 were also conducted in Puerto Rico jointly with the Commonwealth Government.

SCOPE OF CENSUS OF MANUFACTURES: DEFINITION OF MANUFACTURING INDUSTRIES—The 1967 Census of Manufactures covers all establishments primarily engaged in manufacturing as defined in the 1967 edition of the *Standard Industrial Classification Manual.* This is the system of industrial classification developed over a period of years by experts on classification in government and private industry under the guidance of the Office of Management and Budget. This system of classification is in general use among government agencies and also outside the government. In 1957, the system was extensively revised and historical comparability of some data seriously affected. This revision and its effects on census series are discussed at length in the introduction and appendixes to the 1958 census volumes.

The *Standard Industrial Classification Manual* defines manufacturing as the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfers to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. Some manufacturers in a few industries sell chiefly at retail to household consumers through the mail, through house-to-house routes, or through salesmen. Some activities of a service nature (enameling, engraving, etc.) are included in manufacturing when they are performed primarily for the trade; but they are considered nonmanufacturing when they are performed primarily to the order of the household consumer.

ESTABLISHMENT BASIS OF REPORTING—The census of manufactures is conducted on an establishment basis. That is, a company operating establishments at more than one location is required to submit a report for each location; also, companies engaged in distinctly different lines of activity at one location are required to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

Census tabulations of establishment reports, therefore, differ substantially from those prepared on a company basis; i.e., from consolidated reports which not only combine activities at different locations (thereby eliminating interplant transfers) but also include the nonmanufacturing activities of companies primarily engaged in manufacturing.

In 1967, as in earlier years, a minimum size limit was set for including establishments in the census. Data are included for all establishments employing one or more persons at any time during the census year. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than $5,000 value of products were excluded. The change in the minimum of size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

THE CENSUS REPORT FORMS—The 1967 Census of Manufactures, similar to all those since 1947, was primarily a mail canvass. The diversity of manufacturing activities made it necessary to use over 200 different report forms to canvass the approximately 422 manufacturing industries.

From the administrative records of the Social Security Administration and from existing Bureau of the Census records, it was possible to determine correctly, in most cases, the type of form each manufacturing establishment should receive.

In the 1967 census, for the first time, the approximately 120,000 manufacturing firms with less than 10 employees were excused from filing reports. Under special arrangements which safeguarded the confidentiality of both tax and census records, limited data on payrolls, sales, and industry classification from the administrative records of the Social Security Administration and the Internal Revenue Service were made available to the Census Bureau for use in the 1967 censuses of business, manufactures, and mineral industries. Estimates for data other than payrolls and sales for these small establishments were constructed from industry averages. The effect on industry aggregates is slight in most industries. For manufacturing as a whole, they account for less than 3 percent of the payrolls and value added.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS—Each of the establishments covered in the census was classified in one of approximately 422 manufacturing industries in accordance with the industry definitions embodied in the Standard Industrial Classification (SIC) system. Under this system of classification, an industry is generally defined as a group of establishments producing a single product or more or less closely related group of products. The product groupings from which industry classifications are derived are based on such considerations as whether they are typically produced by the same establishment, similarity of manufacturing processes, types of materials used, types of customers, and the like. The resulting group of plants must be significant in terms of their number, value added by manufacturing, value of shipments, and number of employees. The application of these criteria has led to the establishment of 422 manufacturing industries. The system operates in such a way that the definitions become progressively narrower with successive additions of numerical digits. At one extreme are the 21 very broad 2-digit groups and at the other about 10,000 individual 7-digit products. In between are approximately 150 3-digit groups, 422 4-digit industries, and 1,200 5-digit product classes. The 7-digit products and 5-digit product classes are considered the primary products of the industry with the same first four digits. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. In a few instances, however, the industry classification of an establishment is determined not only by the products it makes but also by the processes employed in making those products.

As in earlier censuses, a number of small establishments may have been misclassified as to industry. However, such possible misclassifications have no significant effect on the statistics other than the number of establishments. As indicated above, report forms were not mailed to very small establishments (less than 10 employees). The industry classifications for these establishments were assigned on the basis of brief descriptions of the general activity of the establishment. Where the description is incomplete or there are relatively fine lines of demarcation between industries or between manufacturing and nonmanufacturing activity, the code assigned to an establishment could differ from that which would have been assigned on the basis of more complete product information. Therefore, the total establishment count should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 or more employees are far more reliable than the total number of establishments.

CONFIDENTIALITY OF DATA FOR INDIVIDUAL COMPANIES—The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. In suppressing figures to avoid disclosing information of individual companies, geographic region and division totals are given precedence over individual States; States are given precedence over standard metropolitan statistical areas; standard metropolitan statistical areas over counties; and counties over cities. In tables showing industry detail, major industry group (2-digit) totals take precedence over industry group (3-digit) totals which, in turn, take precedence over individual (4-digit) industries.

ABBREVIATIONS—The following abbreviations and symbols occur frequently, both in the census tables and footnotes:

—	zero
X	not applicable
NA	not available
D	withheld to avoid disclosing figures for individual companies
n.e.c.	not elsewhere classified
n.s.k.	not specified by kind
lin.	linear
equiv.	equivalent
SIC	Standard Industrial Classification

Contents

FUELS AND ELECTRIC ENERGY CONSUMED

The manufacturing industries consume a substantial portion of the coal, coke, fuel oil, gas, and electric energy produced in the United States. These items are a source for heat and power and, except for electric energy, also represent important raw materials for further manufacture. This report presents 1967 statistics on the quantity and cost of specified fuels; quantity and cost of electric energy purchased; and quantity of electricity generated less quantity sold by manufacturing plants. Summary U.S. totals are shown for 1967 and prior years (tables 1 and 2); by major industry groups (table 3); and by selected industries (table 4). Data showing the quantities of specified fuels produced and consumed in the same establishment appear in table 5. Figures on purchased fuels converted to other fuel forms (e.g., crude petroleum purchased and used to manufacture refined petroleum products) or consumed as raw materials (e.g., fuel oil or natural gas purchased to produce carbon black or converted to other chemical products) appear in table 6. It did not prove to be possible to develop separate tables on fuels and electric energy consumed by geographic areas similar to those tables included in previous censuses of manufactures.

AVAILABLE STATISTICS FOR PRIOR YEARS

For years covered by the census of manufactures, statistics on quantities of fuels important in manufacturing begin with those for 1909 and were compiled in subsequent censuses of manufactures for 1914, 1919, 1929, 1937, 1939, 1947, 1954, 1958, and 1962 (as part of the 1963 Census of Manufactures). Data on quantities of electric energy purchased by manufacturers were first collected for the year 1929 and then for the subsequent census years listed above. Data on costs of fuel and electric energy were first published for 1929 although some data on costs had been collected in prior censuses. Data on quantity of electric energy generated by manufacturing plants were first compiled for 1939. The data for that year also provided, for the first time, statistics on fuels and electric energy purchased for heat and power separate from those purchased as materials.

For the intercensal years which are covered by the Annual Survey of Manufactures, data on total fuel cost, purchased electric energy (quantity and cost), and quantity of electricity generated appear in the Annual Survey of Manufactures volumes for 1950 to 1953, 1955 to 1957, 1959 to 1962, and 1964 to 1966. Except for the 1950 to 1953 statistics on electricity generated, which were prepared from Federal Power Commission data, all of the intercensal statistics are estimates. A description of the sample, sampling technique, coverage, etc., for these years is included in the respective annual-survey reports.

FUELS CONSUMED

The 1967 Census of Manufactures reporting forms included a standardized inquiry on detailed fuels consumed during 1967, which called for reporting quantity and cost of coal, coke, distillate fuel oil, residual fuel oil, and gas; it also provided for reporting cost only for other types of fuels consumed. As part of the standard census form, this inquiry was mailed to all establishments, except those covered by administrative records (see "Introduction"), classified in important fuel-consuming industries, and the

data reported by those establishments form the nucleus of this report on fuels consumed. The important fuel-consuming industries were determined in advance on the basis of the cost of fuels consumed as reported in the 1963 Census of Manufactures. There were 252 such industries, and data on quantities and costs of the specified fuels are shown for most of these industries in table 4. The report forms for establishments in the remaining industries did not include the inquiry on detailed fuels consumed but did obtain from the respondent an estimated total cost of fuels consumed. There were 170 such industries. Data for most of the latter industries are not separately shown in this report, but are included in higher level (3-digit and 2-digit SIC) totals. Data on total cost of fuels consumed and quantity and cost of purchased electricity are shown in table 4 for a few of these industries where the total cost of fuels plus the cost of electric energy was greater than $3 million. Table A shows the relative importance of these two groups of industries with respect to cost of fuels consumed.

In addition to the data reported for individual kinds of fuel by establishments in the major fuel-consuming industries, the figures for total cost of fuels include, for all industries--

1. An estimated cost of fuels consumed for establishments covered by administrative records (see "Introduction");

2. An estimated cost of fuels consumed for some establishments which failed to report quantity and cost of detailed fuels even though the report forms submitted by such establishments provided for the reporting of these data; and

3. An estimated cost of fuels consumed for establishments in those industries for which detailed figures on quantity and cost of fuels were not called for.

These estimated fuel costs are included in tables 2, 3, and 4 of this report under the heading, "Fuels, not specified by kind." To the extent that these cost figures represent specific fuels for which information was not obtained in the census, the data shown for individual fuels in these tables are understated. The amount of understatement varies by industry and industry group. However, for all industries at the U.S. total level, the cost of fuels, not specified by kind totaled $669 million, or slightly under 17 percent of the estimated total cost of all fuels consumed (see table A). However, for those 252

TABLE A. Summary of Cost of Purchased Fuels Reported in the 1967 Census of Manufactures

Item	Number of industries	Cost of purchased fuels (million dollars)		
		Total	Specified by kind	Not specified by kind
All industries, total.....	422	3,974.9	3,305.5	[1]669.4
Reporting detailed fuels[2]..	252	3,754.5	3,305.5	449.0
Not reporting detailed fuels[3].....	170	220.4	-	220.4

[1]Includes an undetermined amount estimated for establishments covered by administrative records. Also includes estimates for establishments which failed to report detailed fuels-consumed data.

[2]Represents those industries canvassed on report forms which called for reporting detailed-fuels data.

[3]Represents those industries canvassed on report forms which did not call for reporting detailed fuels data.

industries from which detailed fuels data were obtained, the cost of fuels, not specified by kind amounted to $449 million, or slightly under 12 percent of the total cost of fuels consumed by those industries. In 1958, when similar reporting techniques were used in obtaining data on detailed fuels consumed, the cost of fuels, not specified by kind in that year was about 12.5 percent of the corresponding cost of all fuels consumed by reporting establishments. For the 170 industries for which detailed fuels data were not obtained, the total cost of fuels was estimated at $220 million, only 5.5 percent of the total fuels cost and an average of $1.25 million per industry.

The cost of fuels consumed represents the total amount actually paid during the year for all fuels consumed for heat, power, or generating electricity. It does not include the estimated cost of fuels, such as coke-oven gas or blast-furnace gas, produced as a byproduct of manufacturing activities.

ELECTRIC ENERGY

This report also presents summary statistics on quantity and cost of purchased electricity and quantity of electricity generated less the quantity sold or transferred. Data on quantity and cost of purchased electric energy were obtained from all respondents reporting on the standard census form; in addition, estimates of purchased electric energy are included for establishments covered by administrative records. Separate data on quantity of electricity generated and quantity sold were obtained from the approximately 61,000 establishments which comprise the Annual Survey of Manufactures reporting panel. These establishments, according to census records, account for virtually all of the electricity generated by manufacturing establishments. The data in this report on generated energy are shown in terms of the quantity generated less quantity sold in order that a figure on net consumption of electricity used in manufacturing may be derived. It should be noted that in reporting figures on energy sold some manufacturing establishments, acting as central distribution stations for several company plants located in the same general area, included quantities of purchased electricity which were subsequently transferred to other company plants.

The cost of purchased electricity represents the total amount actually paid during the year for electric energy purchased from other companies or received from other establishments of the same company. It does not include the value of electricity generated and used at the establishment.

ESTIMATED TOTAL ENERGY USED

In order to provide figures on total energy used, data on fuels consumed were converted to kilowatt-hour equivalents, a generally recognized international unit of energy. These kilowatt-hour equivalents were then added to the quantity of purchased electric energy, and the resulting totals represent estimates of total energy requirements in the industrial sector for 1967. The factors used to convert fuels to kilowatt-hour equivalents are shown in table B.

TABLE B. Factors Used to Compute Kilowatt-Hour Equivalents of Fuels: 1967

Kind of fuel	Unit of measure	Killowatt-hour equivalent per unit of measure
Coal	Short tons	7,677
Coke	...do	7,618
Coke screenings and breeze	...do	6,003
Fuel oil:		
Distillate	Barrels	1,707
Residual	...do	1,842
Residual fuels, petroleum coke, acid sludge	...do	1,760
Gas:		
Natural	MCF	303.3
Coke oven	...do	161.2
Blast furnace	...do	27
Still	...do	439.8
Other fuels	Dollars	180

Note: For costs of "fuels, not specified by kind," conversion factors for 1967 were developed for each 2-digit SIC group, based on the relationship of total cost of fuels to the total kilowatt-hour equivalents for those groups as published in U.S. Bureau of the Census, Census of Manufactures: 1963, "Fuels and Electric Energy Consumed in Manufacturing Industries: 1962," Series MC63(1)-6, U.S. Government Printing Office, Washington, D.C., 1964.

This report, which presents final revised data on fuels and electric energy consumed in manufacturing in 1967, includes significant revisions to the data released earlier on this subject. The statistics in this report supersede the data on fuels and electric energy that were previously published in 1967 Census of Manufactures, Volume I, Summary and Subject Statistics, and Volume II, Industry Statistics.

TABLE 1. Fuels and Electric Energy Used for Heat and Power: 1967 and Earlier Years

Year	Total cost of purchased fuels and electric energy (million dollars)	Cost of purchased fuels (million dollars)	Electric energy: Purchased: Quantity (million kw.-hrs.)	Electric energy: Purchased: Cost (million dollars)	Electric energy: Generated less sold (million kw.-hrs.)
Including establishments in Alaska and Hawaii:					
1967	7,691.7	3,974.9	427,465.1	3,716.8	78,355.8
1966	7,365.9	3,902.3	r399,390.0	3,463.6	r80,500.0
1965	6,973.4	3,727.3	373,428.0	3,246.1	80,453.0
1964	6,706.6	3,583.9	357,292.0	3,122.7	79,740.0
1963	6,369.7	3,409.0	333,512.0	2,960.7	72,949.0
1962	6,184.0	3,360.7	313,961.0	2,823.3	74,261.0
1961	5,825.3	3,192.6	298,325.0	2,632.7	68,533.0
1960	5,765.1	3,192.9	291,949.0	2,572.2	70,016.0
1959	5,544.6	3,082.7	281,301.0	2,461.9	69,291.0
1958	5,067.0	2,836.2	252,909.0	2,230.8	66,850.0
Excluding establishments in Alaska and Hawaii (except as otherwise noted):					
1958	5,060.0	2,832.1	252,754.0	2,227.9	66,504.0
1957	5,628.1	3,393.5	259,414.0	2,234.6	[illegible]031.0
1956	5,467.3	3,290.1	257,126.0	2,177.2	66,[illegible].0
1955	5,039.3	3,037.6	233,702.0	2,001.7	65,559.0
1954	4,924.8	3,199.4	187,027.0	1,725.4	60,639.0
1954 (including Alaska and Hawaii)	4,931.7	3,203.9	187,148.0	1,727.8	60,639.0
1953	5,395.4	3,675.0	[1]216,898.0	1,720.4	(NA)
1952	4,861.4	3,288.1	155,965.0	1,573.3	(NA)
1951	4,817.0	3,354.9	146,531.0	1,462.1	(NA)
1950	4,184.6	2,924.4	131,222.0	1,260.2	(NA)
1947	3,602.7	2,648.0	102,822.0	954.7	38,125.0
1939	(NA)	(NA)	44,847.0	462.3	25,671.0
1929	1,849.7	1,388.6	36,427.0	461.1	(NA)

Note: The cost of purchased fuels for 1954 and earlier years includes the value of coke, coke-oven gas, and coal tar produced in coke ovens and used in associated blast furnaces and steel mills at the same location. It also includes the value of blast-furnace gas produced and used at associated coke ovens at the same location. Such operations, which were reported separately in 1954 and earlier years, were treated together as single establishments after 1954. It was estimated that for 1954 the value of such interplant transfers, which are excluded for later years, was about $599 million.

rRevised.
[1]Represents quantity purchased plus quantity generated minus quantity sold.

TABLE 2. Fuels and Electric Energy Used for Heat and Power and as a Raw Material: 1967, 1962, 1958, and 1954

Kind of fuel and purpose for which used	Unit of measure	1967			1962		
		Purchased		Quantity made and used in the same establishment	Purchased		Quantity made and used in the same establishment
		Quantity	Cost (million dollars)		Quantity	Cost (million dollars)	
Bituminous coal, lignite, and anthracite, total	1,000 short tons	168,040.0	1,439.6	-	160,908.0	1,316.3	-
Heat and power	...do	75,100.0	551.7	-	89,438.0	639.5	-
Raw material	...do	92,940.0	887.9	-	71,470.0	676.8	-
Coke and breeze, total	...do	14,952.5	276.8	47,542.0	18,869.0	326.5	38,194.0
Heat and power	...do	13,562.5	248.9	47,542.0	17,747.0	304.8	38,194.0
Raw material	...do	1,390.0	27.9	-	1,122.0	21.6	-
Fuel oil (distillate and residual), petroleum coke, acid sludge, tar, etc., total	1,000 barrels	189,692.8	567.1	83,693.0	203,867.0	647.5	75,409.0
Heat and power:							
Distillate fuel oil	...do	65,653.9	236.9	-	44,730.0	190.9	-
Residual fuel oil	...do	112,958.9	298.7	41,638.0	150,885.0	432.4	34,582.0
Petroleum coke	...do	-	-	(NA)	-	-	33,304.0
Other fuels (acid sludge, tar, etc.)	...do	-	-	42,055.0	-	-	7,523.0
Fuel oil used as a raw material	...do	11,080.0	31.5	-	8,252.0	24.2	-
Gas (natural, manufactured, still, blast furnace, and coke oven), total	Billion cu. ft.	5,914.0	1,899.6	6,331.1	4,608.2	1,519.9	5,033.0
Heat and power:							
Natural gas	...do	5,118.8	1,749.1	-	4,105.0	1,422.8	-
Blast-furnace gas	...do	74.3		4,850.8	74.2	5.0	4,256.6
Coke-oven gas	...do	113.8		765.7	114.1	23.7	
Other gas (including still gas)	...do	-	-	[2] 714.6	14.8	4.4	[2] 776.4
Natural gas used as a raw material	...do	607.1	150.5	-	300.1	64.0	-
Other fuels (crude petroleum, gasoline, LPG, wood, and purchased steam), total	.....	(X)	11,964.4	(X)	(X)	11,184.1	(X)
Heat and power	.....	(X)	220.2	(X)	(X)	337.1	(X)
Raw material:							
Crude petroleum	Million barrels	3,621.0	11,246.8	(X)	3,197.7	10,437.9	(X)
Liquefied petroleum gas[3]	...do	(NA)	497.4	(X)	188.7	409.1	(X)
Fuels, not specified by kind	.....	(X)	669.4	(X)	(X)	-	(X)
Purchased electric energy	Million kw.-hrs.	427,465.1	3,716.8	78,355.8	[4] 313,961.0	[4] 2,823.3	74,261.0
Total energy used for heat and power[5]	Billion kw.-hrs. equivalent	3,461.4	7,691.7	1,069.8	2,875.3	6,184.0	861.3

- Represents zero. (X) Not applicable.

[1] In 1954, separate establishment reports were submitted for blast furnaces and for facilities producing coke, even when such operations were conducted in a complex including steel making and rolling mills at the same location. The quantities of coke produced were then reported as purchases. For 1954, it is estimated that 38,539 thousand short tons of coke reported as purchased were produced and consumed in such associated coke, blast furnace, and steel making establishments. The 1954 quantity of purchased coke, comparable with 1958, was estimated as 15,748 thousand short tons, valued at $250,424 thousand. The 1954 value of such interplant transfers for coke, coke-oven gas, coal, tar, and blast furnace gas, which are excluded for later years, was about $599 million.

[2] Represents still gas.

TABLE 2. Fuels and Electric Energy Used for Heat and Power and as a Raw Material: 1967, 1962, 1958, and 1954—Continued

Kind of fuel and purpose of use	Unit of measure	1958			1954		
		Purchased		Quantity made and used in the same establishment	Purchased		Quantity made and used in the same establishment
		Quantity	Cost (million dollars)		Quantity	Cost (million dollars)	
Bituminous coal, lignite, and anthracite, total	1,000 short tons	159,601.0	1,379.6	-	176,899.0	1,438.4	-
Heat and power	...do	81,784.0	638.2	-	91,458.0	676.8	-
Raw material	...do	77,817.0	741.4	-	85,441.0	761.6	-
Coke and breeze, total	...do	14,850.0	292.7	36,221.0	[1]56,232.0	[1]894.5	([1])
Heat and power	...do	13,585.0	271.0	36,221.0	[1]54,372.0	[1]867.9	([1])
Raw material	...do	1,265.0	21.7	-	1,860.0	26.6	-
Fuel oil (distillate and residual), petroleum coke, acid sludge, tar, etc., total	1,000 barrels	172,349.0	540.5	60,562.0	190,415.0	592.2	60,103.0
Heat and power:							
Distillate fuel oil	...do	166,301.0	522.7	43,147.0	186,455.0	581.2	48,521.0
Residual fuel oil	...do						
Petroleum coke	...do	-	-	9,391.0	-	-	3,837.0
Other fuels (acid sludge, tar, etc.)	...do	-	-	8,024.0	-	-	7,745.0
Fuel oil used as a raw material	...do	6,048.0	17.8	-	3,960.0	11.0	-
Gas (natural, manufactured, still, blast furnace, and coke oven), total	Billion cu. ft.	3,477.4	956.0	5,515.6	6,253.0	881.0	3,062.1
Heat and power:							
Natural gas	...do	3,112.2	900.9	-	[1]5,914.9	[1]847.3	-
Blast-furnace gas	...do			4,224.6			[1]2,262.0
Coke-oven gas	...do			614.0			[1]320.1
Other gas (including still gas)	...do			[2]677.0			[2]480.0
Natural gas used as a raw material	...do	365.2	55.1	-	338.1	33.7	-
Other fuels (crude petroleum, gasoline, LPG, wood, and purchased steam), total	.....	(X)	9,420.4	(X)	(X)	7,913.5	(X)
Heat and power	.....	(X)	147.9	(X)	(X)	202.0	(X)
Raw material:							
Crude petroleum	Million barrels	2,849.5	9,180.0	(X)	2,499.3	7,638.9	(X)
Liquefied petroleum gas[3]	...do	33.0	92.5	(X)	26.6	72.6	(X)
Fuels, not specified by kind	.....	(X)	355.6	(X)	(X)	28.7	(X)
Purchased electric energy	Million kw.-hrs.	252,909.0	2,230.8	66,850.0	187,148.0	1,727.8	60,639.0
Total energy used for heat and power[5]	Billion kw.-hrs. equivalent	2,417.3	5,067.0	788.5	2,220.2	4,931.7	730.9

[3]For 1967 and 1962, represents liquefied petroleum gas and chemical feed stock from all sources purchased by the basic chemicals industries (SIC 281) and the petroleum refining industry (SIC 2911). For 1958 and 1954, represents liquefied petroleum gas (from natural gasoline plants only) purchased by the petroleum refining industry.

[4]Includes 2,507 million kilowatt-hours valued at $24,781 thousand purchased by manufacturing establishments and then resold or transferred. Similar figures for other years are not available.

[5]Represents the quantity of purchased electric energy plus the kilowatt-hours equivalent of all fuels used for heat and power. For factors used to convert fuels to this international unit of energy, see text. When possible, separate figures are shown for purchases and for quantitites produced and used.

TABLE 3. Fuels and Electric Energy Used for Heat and Power,

Code	Industry group	Year	Purchased fuels and electric energy		Purchased fuels				
			Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Bituminous coal, lignite, and anthracite		Coke and breeze	
						Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
	All industries, total	1967	3,461,407.3	7,691.7	3,974.9	75,100.0	551.7	13,562.5	248.9
		1962	2,875,291.0	6,184.1	3,360.7	89,438.0	639.5	17,747.0	304.8
		1958	2,417,309.0	5,067.0	2,836.2	81,784.0	638.2	13,585.0	271.0
		1954	2,220,212.0	4,931.7	3,203.9	91,458.0	676.8	54,372.0	867.9
20	Food and kindred products	1967	263,655.1	661.6	345.4	6,600.3	46.7	56.4	1.6
		1962	235,200.0	595.3	325.3	8,752.0	64.2	70.0	1.9
		1958	224,545.0	518.2	293.9	8,663.0	66.9	65.0	1.6
		1954	236,020.0	419.1	250.4	11,179.0	86.4	99.0	1.9
21	Tobacco manufactures	1967	5,671.9	15.0	7.1	334.4	3.0	-	-
		1962	3,971.0	10.4	5.2	297.0	2.5	-	-
		1958	3,878.0	9.3	4.9	313.0	2.8	-	-
		1954	3,629.0	7.9	4.4	345.0	2.9	2.0	(Z)
22	Textile mill products	1967	92,428.0	284.5	105.9	1,975.5	17.7	-	-
		1962	73,253.0	221.5	87.1	3,051.0	24.7	(S)	(S)
		1958	66,593.0	201.2	84.0	3,066.0	27.3	-	-
		1954	73,763.0	190.5	77.6	4,822.0	37.4	23.0	0.3
23	Apparel and other textile products	1967	13,853.5	94.2	27.3	(NA)	(NA)	(NA)	(NA)
		1962	9,737.0	62.7	19.3	169.0	1.5	(S)	(S)
		1958	9,959.0	51.6	15.8	(NA)	(NA)	(NA)	(NA)
		1954	7,870.0	37.4	13.4	16.0	0.2	-	-
24	Lumber and wood products	1967	54,993.4	204.3	115.1	267.3	2.4	-	-
		1962	34,489.0	151.9	87.6	324.0	2.8	2.0	(Z)
		1958	26,443.0	119.8	70.3	256.0	2.7	-	-
		1954	29,790.0	99.2	57.7	847.0	8.0	9.0	0.1
25	Furniture and fixtures	1967	13,544.9	58.2	21.0	198.1	1.7	-	-
		1962	10,668.0	45.0	17.2	474.0	3.7	(S)	(S)
		1958	10,032.0	34.2	14.9	356.0	3.5	-	-
		1954	9,513.0	30.6	11.8	658.0	5.8	3.0	0.1
26	Paper and allied products	1967	338,896.3	576.8	367.2	12,916.3	103.2	-	-
		1962	272,175.0	458.8	302.9	15,145.0	123.8	102.0	0.9
		1958	236,344.0	382.7	266.4	14,465.0	123.5	-	-
		1954	190,046.0	311.5	220.0	12,572.0	104.1	12.0	0.2
27	Printing and publishing	1967	19,374.9	120.2	32.1	32.6	0.2	-	-
		1962	14,485.0	91.9	24.7	126.0	1.3	-	-
		1958	11,996.0	73.5	21.8	(NA)	(NA)	(NA)	(NA)
		1954	8,523.0	52.3	16.1	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1967	721,038.4	1,188.3	605.5	21,105.6	141.7	-	-
		1962	550,122.0	951.3	451.6	22,600.0	147.3	383.0	5.3
		1958	451,882.0	788.2	359.5	19,438.0	139.0	-	-
		1954	374,138.0	621.3	335.3	21,009.0	142.2	27.0	0.4
29	Petroleum and coal products	1967	408,482.6	456.9	322.4	891.9	5.2	-	-
		1962	335,460.0	365.1	263.0	934.0	5.2	5.0	0.1
		1958	273,041.0	262.3	184.9	1,200.0	6.7	-	-
		1954	189,470.0	150.6	102.9	942.0	5.6	10.0	0.1
30	Rubber and plastics products, n.e.c.	1967	53,567.8	175.1	57.8	1,933.2	13.6	-	-
		1962	41,873.0	127.0	45.5	2,339.0	15.4	2.0	0.1
		1958	35,930.0	97.9	39.3	2,426.0	16.5	-	-
		1954	33,021.0	76.8	31.1	2,470.0	16.4	1.0	(Z)
31	Leather and leather products	1967	9,765.0	34.1	13.5	277.6	2.5	-	-
		1962	9,260.0	30.6	14.6	404.0	3.6	(S)	(S)
		1958	9,403.0	28.6	13.9	467.0	3.6	-	-
		1954	8,563.0	24.0	12.2	610.0	6.5	1.0	(Z)

See footnotes at end of table.

by Industry Groups: 1967, 1962, 1958, and 1954

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels, (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
178,613.0	535.6	65,653.9	236.9	112,958.9	298.7	5,306,862.1	1,749.1	220.2	669.4	427,465.1	3,716.8	78,355.8	
195,615.0	623.3	44,730.0	190.9	150,885.0	432.4	4,308,106.0	1,455.9	337.1	-	313,961.0	2,823.3	74,261.0	
166,301.0	522.7	(NA)	(NA)	(NA)	(NA)	3,112,212.0	900.9	147.9	355.6	252,909.0	2,230.8	66,850.0	
186,455.0	581.2	(NA)	(NA)	(NA)	(NA)	5,914,898.0	847.3	202.0	28.7	187,148.0	1,727.8	60,639.0	
17,533.6	58.1	8,094.8	30.7	9,438.8	27.4	346,260.4	142.5	23.3	73.2	24,401.4	316.2	2,386.6	20
21,045.0	72.2	5,445.0	25.8	15,600.0	46.4	330,274.0	141.6	45.5	-	19,055.0	269.9	2,442.0	
25,225.0	67.5	(NA)	(NA)	(NA)	(NA)	243,866.0	88.5	20.3	49.2	15,778.0	224.3	2,266.0	
20,458.0	67.6	(NA)	(NA)	(NA)	(NA)	262,852.0	69.5	25.0	-	12,005.0	168.6	1,967.0	
421.6	1.3	230.6	0.7	191.0	0.6	2,674.4	1.3	0.4	1.1	737.3	7.9	112.9	21
374.0	1.2	57.0	0.2	316.0	1.0	1,672.0	0.9	0.6	-	398.0	5.2	(S)	
400.0	1.1	(NA)	(NA)	(NA)	(NA)	1,203.0	0.6	0.4	-	327.0	4.4	131.0	
278.0	0.9	(NA)	(NA)	(NA)	(NA)	595.0	0.3	0.3	-	241.0	3.5	89.0	
6,891.4	19.6	1,675.8	5.9	5,215.4	13.7	55,468.0	24.8	3.0	40.8	20,264.4	178.6	531.4	22
9,945.0	30.0	1,321.0	5.6	8,624.0	24.4	53,075.0	22.5	10.0	-	14,143.0	134.4	795.0	
7,555.0	23.1	(NA)	(NA)	(NA)	(NA)	32,218.0	11.7	5.7	16.3	11,925.0	117.1	903.0	
10,696.0	29.7	(NA)	(NA)	(NA)	(NA)	22,184.0	8.1	2.1	-	10,959.0	112.8	1,191.0	
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	27.2	3,595.1	67.0	15.6	23
1,140.0	4.7	517.0	2.6	624.0	2.1	7,147.0	4.4	8.7	-	2,218.0	43.4	10.0	
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	15.8	1,751.0	35.8	13.0	
212.0	0.6	(NA)	(NA)	(NA)	(NA)	128.0	0.1	(Z)	12.5	940.0	24.1	4.0	
3,582.9	18.5	2,476.8	14.1	1,106.1	4.4	54,420.2	18.7	14.8	60.7	7,297.0	89.2	675.4	24
3,843.0	17.7	2,447.0	12.7	1,396.0	5.0	24,451.0	11.0	56.1	-	4,486.0	64.3	1,016.0	
2,286.0	13.0	(NA)	(NA)	(NA)	(NA)	6,866.0	3.5	10.4	40.7	3,404.0	49.5	966.0	
4,060.0	17.3	(NA)	(NA)	(NA)	(NA)	20,475.0	5.2	27.1	-	3,218.0	41.5	1,051.0	
251.0	1.1	102.9	0.5	148.1	0.6	1,699.4	1.1	0.3	16.8	2,473.7	37.2	46.4	25
882.0	3.6	329.0	1.7	552.0	1.9	8,746.0	5.2	4.8	-	1,692.0	27.8	(S)	
488.0	2.3	(NA)	(NA)	(NA)	(NA)	3,204.0	1.6	0.6	6.8	1,391.0	24.3	68.0	
667.0	2.8	(NA)	(NA)	(NA)	(NA)	6,434.0	2.4	0.8	-	1,131.0	18.8	86.0	
41,899.4	98.0	10,605.3	26.9	31,294.1	71.1	351,212.9	109.3	22.9	33.8	25,857.8	209.6	23,211.4	26
31,105.0	80.2	2,578.0	8.4	28,527.0	71.8	265,118.0	83.8	14.2	-	17,052.0	155.9	21,165.0	
25,285.0	69.9	(NA)	(NA)	(NA)	(NA)	212,213.0	54.0	12.2	6.9	12,538.0	116.3	16,978.0	
22,472.0	57.5	(NA)	(NA)	(NA)	(NA)	116,604.0	24.8	33.4	-	10,852.0	91.5	12,687.0	
1,130.6	4.2	559.7	2.5	570.9	1.7	15,009.6	9.8	3.0	14.9	5,817.2	88.1	(S)	27
1,438.0	5.8	488.0	2.5	950.0	3.3	17,856.0	11.1	6.5	-	4,014.0	67.2	5.0	
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	21.8	3,009.0	51.7	10.0	
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	16.1	1,680.0	36.2	5.0	
20,562.6	57.2	8,105.5	27.3	12,457.1	29.9	1,204,275.4	301.9	52.4	52.3	95,413.6	582.8	21,414.4	28
19,866.0	57.2	4,087.0	15.6	15,780.0	41.6	782,894.0	206.2	35.7	-	90,355.0	499.6	17,870.0	
15,714.0	47.8	(NA)	(NA)	(NA)	(NA)	558,801.0	124.4	24.1	24.2	85,564.0	428.6	14,513.0	
17,688.0	50.4	(NA)	(NA)	(NA)	(NA)	481,510.0	128.6	13.7	-	46,255.0	286.0	14,911.0	
10,079.1	24.6	1,768.8	6.6	8,310.3	18.0	1,122,434.3	263.0	10.4	19.2	18,185.9	134.5	4,094.6	29
9,825.0	25.6	1,026.0	4.4	8,799.0	21.2	960,535.0	218.4	13.7	-	12,652.0	102.2	4,012.0	
3,805.0	12.6	(NA)	(NA)	(NA)	(NA)	794,456.0	154.4	8.9	2.3	9,496.0	77.4	3,818.0	
4,053.0	10.5	(NA)	(NA)	(NA)	(NA)	548,554.0	84.2	2.5	-	5,863.0	47.7	3,579.0	
3,710.5	10.9	1,270.8	4.8	2,439.7	6.1	42,617.4	20.2	1.8	11.3	10,184.2	117.3	583.3	30
3,833.0	11.6	610.0	2.7	3,223.0	9.0	31,047.0	13.7	4.7	-	6,691.0	81.5	(S)	
3,061.1	11.8	(NA)	(NA)	(NA)	(NA)	20,700.0	7.2	1.5	2.3	4,819.0	58.5	641.0	
3,107.0	9.1	(NA)	(NA)	(NA)	(NA)	14,872.0	4.7	0.8	-	3,961.0	45.6	675.0	
1,369.3	3.9	328.6	1.2	1,040.7	2.7	4,238.8	2.4	0.4	4.3	1,288.0	20.6	45.5	31
1,462.0	4.5	232.0	1.0	1,229.0	3.5	6,531.0	3.4	3.2	-	891.0	15.9	65.0	
920.0	3.1	(NA)	(NA)	(NA)	(NA)	1,928.0	0.9	1.0	5.2	776.0	14.7	161.0	
1,213.0	3.9	(NA)	(NA)	(NA)	(NA)	3,371.0	1.2	0.5	-	645.0	11.9	71.0	

TABLE 3. Fuels and Electric Energy Used for Heat and Power,

Code	Industry group	Year	Purchased fuels and electric energy		Purchased fuels				
			Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Bituminous coal, lignite, and anthracite		Coke and breeze	
						Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
32	Stone, clay, and glass products.....	1967	360,133.1	637.8	437.5	11,797.4	87.5	48.5	1.2
		1962	309,498.0	555.7	388.4	11,487.0	83.2	156.0	3.2
		1958	276,965.0	469.0	338.1	11,786.0	94.4	166.0	3.5
		1954	265,291.0	369.9	274.7	13,634.0	95.8	191.0	3.4
33	Primary metal industries.....	1967	709,924.8	1,635.7	942.2	9,883.2	71.1	12,990.5	229.0
		1962	674,834.0	1,379.8	879.8	13,511.0	84.5	16,515.0	277.9
		1958	518,458.0	1,113.3	743.5	11,325.0	83.5	12,999.0	254.7
		1954	533,471.0	1,794.4	1,438.3	10,370.0	70.2	53,275.0	844.2
34	Fabricated metal products.....	1967	87,258.4	352.7	145.2	1,018.0	8.1	113.5	4.0
		1962	62,491.0	247.7	109.9	1,045.0	8.0	125.0	4.0
		1958	55,562.0	200.6	91.8	1,020.0	8.7	149.0	4.4
		1954	52,679.0	167.2	78.5	1,730.0	14.2	239.0	5.7
35	Machinery, except electrical.....	1967	91,266.3	356.0	138.8	1,664.5	12.9	165.7	6.0
		1962	69,018.0	254.7	106.9	2,283.0	17.9	185.0	5.7
		1958	61,606.0	210.5	95.3	1,616.0	13.8	121.0	4.0
		1954[2]	98,999.0	307.9	141.5	4,659.0	36.5	271.0	6.6
36	Electrical equipment and supplies.....	1967	68,964.4	289.4	89.5	771.7	6.0	9.8	0.4
		1962	50,780.0	207.8	70.2	1,463.0	10.7	33.0	0.8
		1958	41,170.0	153.6	58.5	968.0	8.4	6.0	0.2
37	Transportation equipment.....	1967	107,066.3	379.5	141.3	3,432.4	28.2	178.1	6.7
		1962	86,870.0	306.0	112.9	3,863.0	29.8	163.0	4.8
		1958	77,758.0	253.4	100.2	3,840.0	31.4	78.0	2.5
		1954	73,647.0	217.9	94.4	4,217.0	32.5	198.0	4.5
38	Instruments and related products.....	1967	15,393.4	55.8	21.7	-	-	-	-
		1962	11,448.0	43.1	17.8	571.0	5.0	(S)	(S)
		1958	9,367.0	31.8	14.4	432.0	4.1	-	-
		1954	7,989.0	21.8	10.4	533.0	4.8	2.0	0.1
19, 39	Ordnance and accessories; Miscellaneous manufacturing industries....	1967	26,128.8	115.8	38.5	(NA)	(NA)	(NA)	(NA)
		1962	19,659.0	77.9	30.9	600.0	4.7	3.0	0.1
		1958	16,377.0	62.6	24.8	147.0	1.2	-	-
		1954	21,739.0	64.6	28.6	844.0	7.2	8.0	0.2

Note: Detailed figures may not add to totals because of independent rounding.

- Represents zero. (NA) Not available. (Z) Less than $50 thousand. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of the estimate or on the basis of a consistency review.

[1]Represents the kilowatt-hours equivalent of all fuels used for heat and power plus the quantity of purchased electricity.

[2]Data for Major Group 35 for 1954 represent combined data for Major Groups 35 and 36.

by Industry Groups: 1967, 1962, 1958, and 1954—Continued

Purchased fuels—Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
12,030.4	44.1	5,788.1	26.1	6,242.3	18.0	624,385.1	237.7	18.6	48.4	19,570.0	200.3	1,240.7	32
13,606.0	46.3	4,360.0	20.3	9,246.0	26.1	559,455.0	217.0	38.6	-	15,538.0	167.3	1,799.0	
13,651.0	46.2	(NA)	(NA)	(NA)	(NA)	446,111.0	155.2	12.9	25.9	12,091.0	130.9	2,268.0	
15,690.0	51.2	(NA)	(NA)	(NA)	(NA)	390,841.0	112.4	11.9	-	9,157.0	95.1	2,416.0	
40,712.2	132.8	16,829.7	57.6	23,882.5	75.2	1,141,586.4	426.4	30.1	52.8	109,468.6	693.5	22,482.4	33
46,182.0	155.9	10,815.0	41.7	35,367.0	114.2	937,321.0	333.1	28.5	-	71,251.0	500.0	22,470.0	
47,083.0	157.8	(NA)	(NA)	(NA)	(NA)	634,683.0	220.7	19.4	7.3	50,663.0	369.8	22,433.0	
56,673.0	176.7	(NA)	(NA)	(NA)	(NA)	836,021.0	312.5	34.8	-	47,429.0	316.0	19,812.0	
4,566.5	16.7	2,474.9	10.3	2,091.6	6.4	103,736.7	59.8	7.4	49.2	14,694.2	207.3	84.7	34
7,104.0	25.6	3,125.0	14.4	3,979.0	11.3	92,602.0	55.4	16.8	-	8,881.0	137.8	(S)	
6,151.0	20.3	(NA)	(NA)	(NA)	(NA)	49,241.0	26.8	4.2	27.4	7,130.0	108.8	161.0	
6,622.0	25.1	(NA)	(NA)	(NA)	(NA)	62,251.0	28.7	4.9	-	5,947.0	88.7	96.0	
5,206.6	17.1	2,120.1	8.7	3,086.5	8.3	79,581.0	47.4	6.2	49.2	16,659.3	217.2	596.1	35
7,705.0	27.0	2,652.0	11.5	5,053.0	15.4	75,554.0	42.2	14.0	-	10,330.0	147.8	591.0	
3,747.0	12.1	(NA)	(NA)	(NA)	(NA)	25,522.0	12.4	5.3	47.7	7,603.0	115.2	496.0	
10,311.0	36.2	(NA)	(NA)	(NA)	(NA)	78,908.0	34.6	27.6	-	12.4	166.4	937.0	
2,570.1	8.2	1,107.9	4.2	1,462.2	4.0	48,005.5	25.9	3.7	45.3	19,012.7	199.9	192.3	36
5,152.0	17.6	1,478.0	6.5	3,674.0	11.1	53,837.0	31.7	9.4	-	11,699.0	137.7	225.0	
2,347.0	7.8	(NA)	(NA)	(NA)	(NA)	19,056.0	10.0	4.1	28.0	7,688.0	95.1	326.0	
5,856.9	18.5	1,946.0	8.2	3,910.9	10.4	106,604.2	55.2	15.9	16.8	23,468.3	238.2	87.0	37
7,003.0	22.5	1,931.0	7.9	5,071.0	14.7	73,284.0	39.1	16.6	-	17,490.0	193.1	275.0	
7,388.0	22.0	(NA)	(NA)	(NA)	(NA)	55,772.0	26.0	14.2	4.1	13,375.0	153.2	270.0	
6,691.0	24.0	(NA)	(NA)	(NA)	(NA)	45,698.0	20.8	12.7	-	11,118.0	123.5	686.0	
238.3	0.8	167.6	0.6	70.7	0.2	2,652.4	1.7	5.6	13.6	2,493.3	34.1	589.2	38
1,476.0	5.0	459.0	1.9	1,017.0	3.2	9,101.0	5.5	(S)	-	1,744.0	25.3	434.0	
152.0	0.8	(NA)	(NA)	(NA)	(NA)	595.0	0.4	0.9	8.3	1,083.0	17.2	354.0	
889.0	3.0	(NA)	(NA)	(NA)	(NA)	4,841.0	1.9	0.6	-	728.0	11.4	268.0	
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	38.5	6,583.1	77.3	(S)	
2,630.0	9.0	773.0	3.6	1,858.0	5.3	17,606.0	9.8	7.3	-	3,382.0	47.0	180.0	19
1,044.0	3.6	(NA)	(NA)	(NA)	(NA)	5,779.0	2.6	1.9	15.4	2,498.0	37.8	74.0	39
3,761.0	11.9	(NA)	(NA)	(NA)	(NA)	18,716.0	7.2	2.1	-	2,502.0	36.0	108.0	

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
		Kilowatt-hours equivalent[1]	Total cost	Total cost	Bituminous coal, lignite, and anthracite		Coke and breeze	
					Quantity	Cost	Quantity	Cost
		(millions)	(million dollars)	(million dollars)	(1,000 short tons)	(million dollars)	(1,000 short tons)	(million dollars)
	All industries, total	3,461,407.3	7,691.7	3,974.9	75,100.0	551.7	13,562.5	248.9
20	Food and kindred products	263,655.1	661.6	345.4	6,600.3	46.7	56.4	1.6
201	Meat products	32,307.9	91.0	42.1	598.1	4.4	-	-
2011	Meatpacking plants	23,018.3	56.7	28.5	561.3	4.1	-	-
2013	Sausages and other prepared meats	4,756.8	16.3	7.2	24.7	0.2	-	-
2015	Poultry dressing plants	4,532.8	18.0	6.4	12.1	0.1	-	-
202	Dairy products	36,521.0	116.7	54.4	469.1	4.3	-	-
2021	Creamery butter	4,513.3	10.4	6.7	22.0	0.3	-	-
2022	Cheese, natural and processed	4,697.4	12.3	7.3	78.0	0.8	-	-
2023	Condensed and evaporated milk	7,626.4	15.2	10.4	273.8	2.4	-	-
2024	Ice cream and frozen desserts	2,049.5	12.3	2.8	4.2	(Z)	-	-
2026	Fluid milk	17,634.4	66.5	27.2	91.1	0.8	-	-
203	Canned, cured, and frozen foods	33,427.6	85.3	46.7	385.7	3.1	-	-
2032	Canned specialties	4,991.3	9.5	6.3	262.4	1.9	-	-
2033	Canned fruits and vegetables	13,710.6	32.0	20.4	116.0	1.1	-	-
2034	Dehydrated food products[2]	2,641.7	6.3	3.8	(NA)	(NA)	(NA)	(NA)
2037	Frozen fruits and vegetables	7,656.6	25.4	9.9	7.3	0.1	-	-
204	Grain mill products	37,809.2	87.6	40.4	1,920.0	12.1	-	-
2041	Flour and other grain mill products	3,183.5	15.8	2.8	105.3	0.8	-	-
2042	Prepared feeds for animals and fowls	13,746.9	40.7	17.7	111.5	0.8	-	-
2043	Cereal preparations	1,903.6	5.8	2.9	72.4	0.7	-	-
2046	Wet corn milling	17,711.5	20.3	15.5	1,630.8	9.8	-	-
205	Bakery products	16,302.9	53.0	28.6	10.0	0.1	-	-
2051	Bread, cake, and related products	13,500.6	44.2	24.0	10.0	0.1	-	-
2052	Cookies and crackers	2,802.3	8.8	4.6	-	-	-	-
206	Sugar	31,899.1	40.7	36.8	1,012.6	7.1	56.4	1.6
2061	Raw cane sugar	3,856.4	6.3	4.7	-	-	-	-
2062	Cane sugar refining	9,947.1	12.3	11.5	-	-	-	-
2063	Beet sugar	18,095.6	22.1	20.6	1,012.6	7.1	56.4	1.6
207	Confectionery and related products	5,891.6	19.3	7.6	195.7	1.6	-	-
2071	Confectionery products	3,759.6	13.2	5.1	57.0	0.4	-	-
2072	Chocolate and cocoa products	1,735.2	4.7	2.0	138.7	1.2	-	-
208	Beverages	29,151.2	69.7	39.5	1,001.4	6.9	-	-
2082	Malt liquors	11,776.7	24.3	13.8	330.0	2.5	-	-
2083	Malt	2,543.9	6.1	13.9	10.0	0.1	-	-
2084	Wines, brandy, and brandy spirits	859.3	2.6	1.3	-	-	-	-
2085	Distilled liquor, except brandy	7,225.6	10.1	7.2	621.0	3.9	-	-
2086	Bottled and canned soft drinks	5,723.5	23.6	11.8	21.0	0.2	-	-
2087	Flavoring extracts and sirups, n.e.c.	1,022.2	3.0	1.5	19.4	0.2	-	-
209	Miscellaneous foods and kindred products	40,344.6	98.4	49.4	1,007.7	7.1	-	-
2091	Cottonseed oil mills	1,628.0	6.8	1.5	-	-	-	-
2092	Soybean oil mills	10,277.3	18.9	10.4	534.7	3.7	-	-
2094	Animal and marine fats and oils	8,108.0	17.0	11.3	138.0	1.1	-	-
2095	Roasted coffee[2]	2,511.0	6.6	3.5	(NA)	(NA)	(NA)	(NA)
2096	Shortening and cooking oils	8,211.0	14.3	9.0	166.0	1.1	-	-
2097	Manufactured ice[2]	1,244.9	9.5	1.0	(NA)	(NA)	(NA)	(NA)
2099	Food preparations, n.e.c.	7,035.0	20.6	11.0	169.0	1.2	-	-
21	Tobacco manufactures	5,671.9	15.0	7.1	334.4	3.0	-	-
2111	Cigarettes	3,335.0	7.5	3.8	267.3	2.4	-	-
2141	Tobacco stemming and redrying	1,689.4	5.1	2.5	67.1	0.6	-	-
22	Textile mill products	92,428.0	284.5	105.9	1,975.5	17.7	-	-
2211	Weaving mills, cotton	17,076.6	63.7	12.9	502.8	4.6	-	-
2221	Weaving mills, synthetics	9,566.5	35.4	8.6	282.5	2.4	-	-
2231	Weaving and finishing mills, wool	6,254.9	16.5	8.1	130.9	1.3	-	-
2241	Narrow fabric mills[2]	1,557.3	5.3	2.0	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
178,613.0	535.6	65,653.9	236.9	112,958.9	298.7	5,306,862.1	1,749.1	220.2	669.4	427,465.1	3,716.8	78,355.8	
17,533.6	58.1	8,094.8	30.7	9,438.8	27.4	346,260.4	142.5	23.3	73.2	24,401.4	316.2	2,386.6	20
1,984.8	7.4	888.2	4.1	1,096.6	3.3	46,501.6	17.4	4.8	8.1	4,013.1	48.9	145.5	201
1,055.0	3.9	441.6	1.9	613.4	2.0	34,390.5	11.7	3.8	5.0	2,503.5	28.2	145.1	2011
492.1	1.6	184.8	0.8	307.3	0.8	5,410.7	2.8	0.6	2.0	646.2	9.1	(S)	2013
437.7	1.9	261.8	1.4	175.9	0.5	6,700.4	2.9	0.4	1.1	863.4	11.6	(S)	2015
2,454.7	9.5	1,353.5	5.9	1,101.2	3.6	45,034.5	20.6	4.4	15.6	4,074.7	62.3	41.6	202
261.8	0.9	75.6	0.3	186.2	0.6	8,495.1	3.5	0.3	1.6	217.9	3.7	7.7	2021
382.7	1.7	201.2	1.0	181.5	0.7	6,142.7	2.7	0.4	1.8	330.6	5.0	1.4	2022
329.4	1.1	160.4	0.6	169.0	0.5	11,435.7	4.7	0.6	1.6	331.3	4.8	30.1	2023
157.8	0.7	104.9	0.5	52.9	0.2	1,471.3	0.9	0.5	0.8	685.5	9.5	(S)	2024
1,323.0	5.1	811.4	3.5	511.6	1.6	17,489.7	8.8	2.6	9.8	2,509.4	39.3	1.7	2026
2,957.4	8.9	1,019.9	3.5	1,937.5	5.4	38,047.9	16.9	2.2	15.6	3,144.6	38.6	62.5	203
561.6	1.5	74.2	0.3	487.4	1.2	4,177.5	2.1	0.4	0.5	310.0	3.2	42.0	2032
1,480.2	4.6	712.7	2.3	767.5	2.3	23,451.9	10.4	1.2	3.1	862.5	11.6	1.0	2033
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	202.1	2.5	-	2034
915.6	2.8	233.0	0.9	682.6	1.9	10,418.5	4.4	0.6	2.0	1,387.2	15.5	19.0	2037
867.0	3.3	474.7	2.2	392.3	1.1	42,552.7	16.3	1.5	6.9	3,881.1	47.2	920.0	204
111.6	0.4	78.0	0.3	33.6	0.1	2,145.9	0.9	0.2	0.4	1,229.4	13.0	20.1	2041
609.7	2.5	331.6	1.7	278.1	0.8	22,637.3	8.2	1.3	4.9	1,557.2	23.0	(S)	2042
39.1	0.1	-	-	39.1	0.1	3,119.0	1.9	-	-	298.3	2.9	28.4	2043
106.6	0.3	65.1	0.2	41.5	0.1	14,650.5	5.3	-	0.1	495.5	4.8	872.6	2046
1,474.8	5.3	1,002.9	4.0	471.9	1.3	26,394.5	15.5	2.6	5.1	1,838.8	24.4	(S)	205
1,313.1	4.8	960.1	3.8	353.0	1.0	20,441.0	12.2	2.1	4.8	1,435.8	20.2	(S)	2051
161.7	0.5	42.8	0.2	118.9	0.3	5,953.5	3.3	0.5	0.3	403.0	4.2	(S)	2052
2,535.0	7.2	1,638.7	4.3	896.3	2.9	56,390.4	17.9	1.1	1.9	283.2	3.9	935.2	206
517.3	1.8	241.2	0.9	276.1	0.9	7,301.0	1.9	0.1	0.9	105.3	1.6	370.0	2061
1,616.4	4.1	1,200.0	2.8	416.4	1.3	19,712.4	5.7	1.0	0.7	67.5	0.8	305.2	2062
401.3	1.3	197.5	0.6	203.8	0.7	29,377.0	10.3	-	0.3	110.4	1.5	260.0	2063
443.0	1.5	147.0	0.6	296.0	0.9	4,586.5	2.5	0.2	2.0	955.9	11.7	23.3	207
375.1	1.2	97.1	0.4	278.0	0.8	3,947.7	2.1	0.2	1.4	612.0	8.1	11.7	2071
67.9	0.3	49.9	0.2	18.0	0.1	638.8	0.4	-	0.1	268.1	2.7	(S)	2072
2,441.5	7.9	773.2	3.2	1,668.2	4.7	35,707.8	15.9	3.7	5.3	2,199.0	30.2	202.0	208
1,207.0	3.3	163.0	0.5	1,044.0	2.8	18,437.0	6.8	0.8	0.5	1,011.0	10.5	186.0	2082
21.0	0.1	17.6	0.1	3.3	(Z)	7,141.0	3.6	-	0.1	196.0	2.2	8.0	2083
104.3	0.4	69.0	0.3	35.3	0.1	1,456.5	0.7	0.1	0.2	93.0	1.3	(S)	2084
393.1	0.9	66.2	0.2	326.9	0.7	2,463.3	0.9	0.4	1.1	212.0	2.9	4.0	2085
548.0	2.7	343.0	1.7	205.0	1.0	5,516.0	3.6	2.3	3.0	595.0	11.8	(S)	2086
168.1	0.5	114.4	0.4	53.7	0.1	694.0	0.3	0.1	0.4	92.0	1.5	3.1	2087
2,375.4	7.1	796.7	2.9	1,578.8	4.2	51,044.5	19.5	2.8	13.0	4,011.0	49.0	54.8	209
-	-	-	-	-	-	3,100.0	1.2	-	0.3	485.4	5.3	-	2091
251.1	0.9	101.4	0.4	149.8	0.5	12,976.5	4.3	0.2	1.4	856.7	8.5	30.2	2092
893.0	2.6	352.0	1.2	541.0	1.4	11,341.0	4.3	1.0	2.3	362.0	5.7	5.4	2094
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.5	264.0	3.1	-	2095
815.3	2.0	129.3	0.4	686.0	1.6	14,592.0	4.6	0.7	0.6	522.0	5.3	3.7	2096
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.0	602.9	8.5	(S)	2097
416.0	1.6	214.0	0.9	202.0	0.7	9,035.0	5.1	0.9	2.2	680.0	9.6	13.5	2099
421.6	1.3	230.6	0.7	191.0	0.6	2,674.4	1.3	0.4	1.1	737.3	7.9	112.9	21
191.9	0.6	135.7	0.4	56.2	0.2	1,748.0	0.8	-	-	418.3	3.7	111.2	2111
229.7	0.7	94.9	0.3	134.8	0.4	926.4	0.5	0.4	0.3	208.3	2.6	(S)	2141
6,891.4	19.6	1,675.8	5.9	5,215.4	13.7	55,468.0	24.8	3.0	40.8	20,264.4	178.6	531.4	22
496.2	1.5	173.5	0.6	322.7	0.9	15,119.8	5.4	0.2	1.2	6,871.9	50.8	216.0	2211
639.9	1.9	273.9	0.9	366.0	1.0	4,664.7	2.1	0.2	2.0	3,498.1	26.8	19.4	2221
1,027.4	2.6	258.1	0.8	769.3	1.8	2,463.5	1.2	0.3	2.7	824.4	8.4	43.5	2231
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	243.3	3.3	(S)	2241

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
		Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Bituminous coal, lignite, and anthracite		Coke and breeze	
					Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
22	Textile mill products--Continued							
225	Knitting mills	12,098.5	38.0	17.3	167.8	1.5	-	-
2251	Women's hosiery, except socks	2,310.4	8.3	3.0	35.4	0.3	-	-
2252	Hosiery, n.e.c.	1,715.6	4.9	2.7	67.6	0.5	-	-
2253	Knit outerwear mills	2,271.1	7.3	3.3	18.8	0.2	-	-
2254	Knit underwear mills	980.8	2.8	1.4	19.0	0.2	-	-
2256	Knit fabric mills	4,681.0	14.4	6.8	27.0	0.3	-	-
226	Textile finishing, except wool	24,095.5	46.7	32.6	826.6	7.3	-	-
2261	Finishing plants, cotton	12,879.4	21.9	16.5	619.3	5.4	-	-
2262	Finishing plants, synthetics	9,027.9	18.7	12.8	177.2	1.6	-	-
2269	Finishing plants, n.e.c.	2,188.2	6.1	3.3	30.1	0.3	-	-
227	Floor covering mills[2]	5,537.8	13.2	7.6	(NA)	(NA)	(NA)	(NA)
2272	Tufted carpets and rugs[2]	4,396.2	10.2	6.1	(NA)	(NA)	(NA)	(NA)
228	Yarn and thread mills[2]	8,328.4	40.3	6.8	(NA)	(NA)	(NA)	(NA)
2281	Yarn mills, except wool[2]	4,662.0	24.5	3.0	(NA)	(NA)	(NA)	(NA)
2282	Throwing and winding mills[2]	1,433.7	7.6	1.3	(NA)	(NA)	(NA)	(NA)
2283	Wool yarn mills[2]	1,008.7	4.2	1.1	(NA)	(NA)	(NA)	(NA)
229	Miscellaneous textile goods	7,912.5	25.6	10.2	64.9	0.6	-	-
2295	Coated fabrics, not rubberized	2,388.4	7.2	3.5	64.9	0.6	-	-
2296	Tire cord and fabric[2]	942.5	4.3	0.7	(NA)	(NA)	(NA)	(NA)
23	Apparel and other textile products[2]	13,853.5	94.2	27.2	(NA)	(NA)	(NA)	(NA)
2311	Men's and boys' suits and coats	1,325.7	7.5	2.8	(NA)	(NA)	(NA)	(NA)
232	Men's and boys' furnishings	2,745.9	17.7	5.3	(NA)	(NA)	(NA)	(NA)
233	Women's and misses' outerwear	4,043.6	31.8	8.1	(NA)	(NA)	(NA)	(NA)
2335	Women's and misses' dresses	2,103.3	14.3	4.2	(NA)	(NA)	(NA)	(NA)
2337	Women's and misses' suits and coats	991.2	10.3	2.1	(NA)	(NA)	(NA)	(NA)
234	Women's and children's undergarments	867.6	5.9	1.6	(NA)	(NA)	(NA)	(NA)
235	Hats, caps, and millinery	333.9	2.0	0.7	(NA)	(NA)	(NA)	(NA)
236	Children's outerwear	551.9	4.1	0.9	(NA)	(NA)	(NA)	(NA)
2371	Fur goods	135.2	1.3	0.2	(NA)	(NA)	(NA)	(NA)
238	Miscellaneous apparel and accessories	573.4	4.0	1.1	(NA)	(NA)	(NA)	(NA)
239	Miscellaneous fabricated textile products	3,276.3	19.9	6.5	(NA)	(NA)	(NA)	(NA)
2392	Housefurnishings, n.e.c.	1,226.7	7.2	2.5	(NA)	(NA)	(NA)	(NA)
24	Lumber and wood products	54,993.4	204.3	115.1	267.3	2.4	-	-
2411	Logging camps and logging contractors	13,625.4	43.1	41.0	6.0	0.1	-	-
242	Sawmills and planing mills	19,883.4	84.7	41.8	58.5	0.4	-	-
2421	Sawmills and planing mills, general	18,361.9	77.0	39.1	41.0	0.3	-	-
2426	Hardwood dimension and flooring	1,244.3	6.2	2.0	17.5	0.1	-	-
243	Millwork, plywood, and related products	9,688.2	40.8	15.9	45.5	0.4	-	-
2431	Millwork[2]	1,545.9	11.4	3.2	(NA)	(NA)	(NA)	(NA)
2432	Veneer and plywood	7,653.9	26.8	11.5	45.5	0.4	-	-
244	Wooden containers[2]	694.8	5.0	1.5	(NA)	(NA)	(NA)	(NA)
249	Miscellaneous wood products	11,101.6	30.8	15.0	157.3	1.5	-	-
2491	Wood preserving	3,062.9	6.0	4.3	47.5	0.4	-	-
2499	Wood products, n.e.c.	8,038.7	24.8	10.7	109.8	1.1	-	-
25	Furniture and fixtures	13,544.9	58.2	21.0	198.1	1.7	-	-
251	Household furniture	8,247.3	37.0	12.2	198.1	1.7	-	-
2511	Wood household furniture	4,661.1	21.2	6.3	198.1	1.7	-	-
2512	Upholstered household furniture[2]	1,476.2	6.7	2.4	(NA)	(NA)	(NA)	(NA)
252	Office furniture[2]	1,660.4	6.4	2.8	(NA)	(NA)	(NA)	(NA)
2531	Public building furniture[2]	791.9	3.4	1.3	(NA)	(NA)	(NA)	(NA)
254	Partitions and fixtures[2]	2,064.8	8.4	3.5	(NA)	(NA)	(NA)	(NA)
259	Miscellaneous furniture and fixtures[2]	780.5	3.3	1.3	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels—Continued										Electric energy			
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	Code
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
1,436.5	5.0	366.3	1.6	1,070.2	3.4	9,671.2	4.9	0.9	5.1	1,710.4	20.7	(S)	225
186.9	0.8	84.4	0.4	102.5	0.4	2,492.5	1.2	0.1	0.6	530.6	5.3	(S)	2251
296.6	1.1	58.0	0.2	238.6	0.9	1,269.5	0.7	0.3	0.1	169.3	2.2	(S)	2252
193.6	0.8	74.4	0.4	119.2	0.4	1,730.0	0.8	0.2	1.5	240.3	4.0	(S)	2253
31.7	0.1	19.2	0.1	12.5	(Z)	1,473.2	0.7	-	0.3	134.1	1.4	-	2254
727.7	2.2	130.3	0.5	597.4	1.7	2,706.0	1.5	0.3	2.5	628.0	7.6	-	2256
2,897.7	7.5	576.7	1.7	2,380.8	5.8	21,743.6	9.8	1.4	6.6	1,294.7	14.1	202.4	226
1,075.8	2.7	328.0	0.9	747.6	1.8	12,830.7	5.3	0.6	2.5	540.7	5.4	189.2	2261
1,527.7	3.9	150.2	0.6	1,377.5	3.3	6,748.8	3.5	0.4	3.4	514.3	5.9	13.2	2262
294.2	0.9	38.5	0.2	255.7	0.7	2,164.1	1.0	0.4	0.7	239.7	2.8	-	2269
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7.6	544.6	5.6	8.8	227
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6.1	388.5	4.1	(S)	2272
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6.8	3,860.8	33.5	13.1	228
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.0	2,691.0	21.5	(S)	2281
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	579.6	6.3	(S)	2282
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	286.0	3.1	(S)	2283
393.7	1.1	87.3	0.3	306.4	0.8	1,805.2	1.4	(Z)	7.2	1,416.2	15.4	11.8	229
393.7	1.1	87.3	0.3	306.4	0.8	1,805.2	1.4	(Z)	0.5	294.0	3.7	(S)	2295
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	482.6	3.6	(S)	2296
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	27.2	3,595.1	67.0	15.6	23
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.8	270.1	4.7	(S)	2311
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	5.3	747.8	12.4	(S)	232
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.1	989.9	23.7	(S)	233
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4.2	519.9	10.1	(S)	2335
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.1	199.5	8.2	(S)	2337
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.6	264.4	4.3	(S)	234
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	70.0	1.3	(S)	235
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	212.6	3.2	-	236
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	59.8	1.1	-	2371
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	154.5	2.9	-	238
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6.5	825.8	13.4	(S)	239
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.5	284.2	4.7	(S)	2392
3,582.9	18.5	2,476.8	14.1	1,106.1	4.4	54,420.2	18.7	14.8	60.7	7,297.0	89.2	675.4	24
1,032.2	6.5	845.5	5.3	186.7	1.2	3,549.2	1.0	3.1	30.3	126.6	2.1	(S)	2411
1,370.5	7.7	912.8	6.0	457.7	1.7	17,207.5	5.2	8.0	20.5	3,592.0	42.9	295.3	242
1,305.5	7.3	862.8	5.7	442.7	1.6	15,947.1	4.8	7.7	18.9	3,276.4	37.9	243.0	2421
65.0	0.4	50.0	0.3	15.0	0.1	1,260.4	0.4	0.3	0.9	270.1	4.2	52.3	2426
346.6	1.3	133.2	0.6	213.4	0.7	13,479.6	5.7	2.4	6.2	2,147.0	24.9	100.3	243
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.2	486.7	8.2	(S)	2431
346.6	1.3	133.2	0.6	213.4	0.7	13,479.6	5.7	2.4	1.8	1,569.1	15.3	92.5	2432
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.5	198.3	3.5	(S)	244
833.6	3.0	585.3	2.2	248.3	0.8	20,183.9	6.8	1.3	2.6	1,233.1	15.8	276.7	249
281.4	1.0	172.1	0.7	109.3	0.3	6,184.2	2.0	0.4	0.5	94.7	1.7	(S)	2491
552.2	2.0	413.2	1.5	139.0	0.5	13,999.7	4.8	0.9	2.1	1,138.4	14.1	276.5	2499
251.0	1.1	102.9	0.5	148.1	0.6	1,699.4	1.1	0.3	16.8	2,473.7	37.2	54.9	25
251.0	1.1	102.9	0.5	148.1	0.6	1,699.4	1.1	0.3	8.1	1,661.7	24.8	46.4	251
251.0	1.1	102.9	0.5	148.1	0.6	1,699.4	1.1	0.3	2.2	1,049.1	14.9	46.4	2511
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.4	266.6	4.3	-	2512
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.8	249.2	3.6	(S)	252
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	136.7	2.1	-	2531
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.5	300.8	4.9	(S)	254
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	125.3	2.0	-	259

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
					Bituminous coal, lignite, and anthracite		Coke and breeze	
		Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
26	Paper and allied products	338,896.3	576.8	367.2	12,916.3	103.2	-	-
2611	Pulpmills	23,575.7	36.9	26.9	34.2	0.3	-	-
2621	Papermills, except building paper	148,749.3	248.0	155.6	7,458.0	60.5	-	-
2631	Paperboard mills	125,938.3	172.3	133.4	4,879.6	38.0	-	-
264	Miscellaneous converted paper products	14,844.6	46.6	18.4	87.6	0.8	-	-
2641	Paper coating and glazing	4,391.0	14.2	6.6	71.6	0.7	-	-
2643	Bags, except textile bags	2,632.1	9.0	3.2	3.2	(Z)	-	-
2646	Pressed and molded pulp goods[2]	2,956.1	7.2	3.1	(NA)	(NA)	(NA)	(NA)
2647	Sanitary paper products	1,508.3	4.6	1.7	12.8	0.1	-	-
2649	Converted paper products, n.e.c.	1,256.5	4.4	1.6	-	-	-	-
265	Paperboard containers and boxes	14,642.6	49.6	20.8	81.9	0.6	-	-
2651	Folding paperboard boxes	3,043.1	9.4	3.8	5.2	(Z)	-	-
2653	Corrugated and solid fiber boxes	8,224.5	25.6	12.5	55.5	0.4	-	-
2654	Sanitary food containers	1,879.0	9.4	2.6	-	-	-	-
2655	Fiber cans, drums, and related material	770.7	3.0	1.1	21.2	0.2	-	-
2661	Building paper and board mills	11,145.8	23.4	12.1	375.0	3.0	-	-
27	Printing and publishing	19,374.9	120.2	32.1	32.6	0.2	-	-
2711	Newspapers	4,415.8	32.3	7.1	1.5	(Z)	-	-
2721	Periodicals	902.5	6.1	1.6	(NA)	(NA)	(NA)	(NA)
273	Books	1,532.3	9.5	2.6	5.1	(Z)	-	-
2731	Book publishing[2]	503.9	3.2	0.9	(NA)	(NA)	(NA)	(NA)
2732	Book printing	1,028.4	6.3	1.7	5.1	(Z)	-	-
275	Commercial printing	9,490.8	51.4	15.8	26.0	0.2	-	-
2751	Commercial printing, except lithographic	5,610.1	27.0	8.9	10.4	0.1	-	-
2752	Commercial printing, lithographic	3,674.0	23.2	6.6	15.6	0.1	-	-
2761	Manifold business forms	798.7	5.0	1.2	-	-	-	-
278	Blankbooks and bookbinding[2]	803.4	5.2	1.3	(NA)	(NA)	(NA)	(NA)
279	Printing trade services[2]	729.6	5.9	1.3	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	721,038.4	1,188.3	605.5	21,105.6	141.7	-	-
281	Industrial chemicals	531,168.7	838.7	407.8	12,270.9	79.1	-	-
2812	Alkalies and chlorine	54,421.8	96.0	45.2	2,991.8	18.5	-	-
2813	Industrial gases	18,690.8	63.6	12.1	284.6	1.5	-	-
2815	Cyclic intermediates and crudes	36,469.7	54.1	33.2	1,103.1	7.8	-	-
2816	Inorganic pigments	12,844.7	21.7	15.4	386.0	3.6	-	-
2818	Industrial organic chemicals, n.e.c.	232,542.9	263.6	180.5	5,546.3	34.0	-	-
2819	Industrial inorganic chemicals, n.e.c.	176,198.8	339.7	121.4	1,959.1	13.7	-	-
282	Plastics materials and synthetics	106,540.8	164.6	99.3	6,802.2	46.4	-	-
2821	Plastics materials and resins	36,034.4	70.1	35.5	1,434.0	10.4	-	-
2822	Synthetic rubber	15,832.0	24.4	13.6	283.9	1.4	-	-
2823	Cellulosic manmade fibers	28,954.1	28.8	25.1	3,299.6	21.4	-	-
2824	Organic fibers, noncellulosic	25,720.3	41.3	25.1	1,784.7	13.2	-	-
283	Drugs	13,894.0	36.3	16.8	456.2	3.7	-	-
2833	Medicinals and botanicals	4,161.9	8.5	5.5	150.3	1.2	-	-
2834	Pharmaceutical preparations	8,947.9	25.8	10.6	305.9	2.5	-	-
284	Soap, cleaners, and toilet goods	11,837.5	27.6	15.4	182.9	2.2	-	-
2841	Soap and other detergents	6,641.1	14.6	9.1	167.8	2.0	-	-
2842	Polishes and sanitation goods	1,136.0	3.5	1.6	9.6	0.1	-	-
2843	Surface active agents	1,978.9	4.3	2.8	5.5	0.1	-	-
2844	Toilet preparations[2]	2,081.5	5.2	1.9	(NA)	(NA)	(NA)	(NA)
2851	Paints and allied products	5,645.0	17.6	7.8	19.1	0.2	-	-
2861	Gum and wood chemicals	2,901.1	8.2	6.5	20.5	0.2	-	-
287	Agricultural chemicals	17,616.8	42.5	18.8	-	-	-	-
2871	Fertilizers	12,481.1	31.1	13.4	-	-	-	-
2872	Fertilizers, mixing only	2,063.6	5.5	2.6	-	-	-	-
2879	Agricultural chemicals, n.e.c[2]	3,072.1	5.9	2.8	(NA)	(NA)	(NA)	(NA)
289	Miscellaneous chemical products	31,434.5	52.9	33.2	1,353.8	9.9	-	-
2891	Adhesives and gelatin	3,424.0	6.8	4.6	136.2	1.1	-	-
2892	Explosives	9,655.6	17.7	11.5	701.5	5.3	-	-
2895	Carbon black	5,109.6	6.1	2.8	-	-	-	-
2899	Chemical preparations, n.e.c.	12,251.8	19.5	13.4	516.5	3.5	-	-

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
41,899.4	98.0	10,605.3	26.9	31,294.1	71.1	351,212.9	109.3	22.9	33.8	25,857.8	209.6	23,211.4	26
5,104.0	11.6	676.4	1.9	4,427.6	9.7	33,355.1	10.0	3.1	1.8	1,859.6	10.0	1,605.5	2611
16,620.3	39.1	3,464.0	8.4	13,156.3	30.7	132,305.5	40.0	7.3	8.6	12,776.9	92.4	11,770.1	2621
16,691.4	37.2	5,139.6	12.0	11,551.8	25.2	144,469.7	40.4	8.2	9.6	5,294.3	38.9	9,507.8	2631
1,040.2	3.1	589.2	1.9	451.0	1.2	7,555.7	4.2	1.2	9.1	2,411.3	28.2	71.7	264
524.2	1.7	299.5	1.1	224.7	0.6	3,948.4	2.4	0.7	1.1	689.9	7.6	4.1	2641
102.1	0.3	51.7	0.2	50.4	0.1	1,483.8	0.9	0.2	1.8	483.7	5.8	40.1	2643
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.1	432.7	4.1	5.3	2646
242.3	0.6	178.7	0.4	63.6	0.2	961.7	0.4	0.2	0.4	338.7	2.9	19.2	2647
171.6	0.5	59.3	0.2	112.3	0.3	1,161.8	0.5	0.1	0.5	156.5	2.8	(S)	2549
1,632.3	5.0	631.5	2.3	1,000.8	2.7	18,256.5	9.6	1.8	3.8	2,158.5	28.8	181.4	265
248.1	0.8	90.1	0.4	158.0	0.4	3,950.5	1.6	0.3	1.1	428.2	5.6	108.7	2651
1,133.2	3.5	442.2	1.6	691.0	1.9	11,296.3	6.2	0.9	1.5	954.9	13.1	24.6	2653
162.7	0.5	54.1	0.2	108.6	0.3	2,230.4	1.3	0.5	0.3	575.5	6.8	33.1	2654
88.3	0.2	45.1	0.1	43.2	0.1	779.3	0.5	0.1	0.1	125.8	1.9	15.1	2655
811.2	2.0	104.6	0.4	706.6	1.6	15,270.4	5.1	1.3	0.7	1,357.2	11.3	75.0	2661
1,130.6	4.2	559.7	2.5	570.9	1.7	15,009.6	9.8	3.0	14.9	5,817.2	88.1	(S)	27
220.7	0.8	142.4	0.6	78.3	0.2	3,167.1	2.3	1.5	2.6	1,724.7	25.2	(S)	2711
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.6	245.4	4.5	(S)	2721
147.4	0.6	58.2	0.3	89.2	0.3	756.3	0.6	0.2	1.2	423.3	6.9	-	273
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	121.8	2.3	-	2731
147.4	0.6	58.2	0.3	89.2	0.3	756.3	0.6	0.2	0.3	301.5	4.6	-	2732
705.9	2.5	323.0	1.4	382.9	1.1	10,163.8	6.3	1.2	5.6	2,442.4	35.6	(S)	275
494.0	1.7	211.1	0.9	282.9	0.8	6,674.5	3.8	0.7	2.6	1,436.5	18.1	(S)	2751
211.9	0.8	111.9	0.5	100.0	0.3	3,489.3	2.5	0.5	2.7	922.2	16.6	(S)	2752
56.6	0.3	36.1	0.2	20.5	0.1	922.4	0.6	0.1	0.2	265.1	3.8	-	2761
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	270.4	3.9	(S)	278
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	196.6	4.6	(S)	279
20,562.6	57.2	8,105.5	27.3	12,457.1	29.9	1,204,275.4	301.9	52.4	52.3	95,413.6	582.8	21,414.4	28
9,894.9	26.8	2,943.7	10.5	6,951.2	16.3	1,004,281.3	237.9	34.4	29.7	78,624.6	430.9	17,734.9	281
628.1	1.8	191.7	0.8	436.4	1.0	44,258.8	12.0	6.9	6.0	9,298.0	50.8	3,021.0	2812
243.4	1.0	62.9	0.3	180.5	0.7	22,629.4	6.8	0.4	2.4	6,776.4	51.5	274.0	2813
1,986.5	5.0	310.6	1.1	1,675.9	3.9	62,308.6	15.0	3.1	2.4	2,574.0	20.9	168.9	2815
1,499.3	3.6	215.3	0.9	1,284.0	2.7	13,653.3	5.6	0.3	2.3	673.4	6.3	192.0	2816
2,742.8	7.1	1,168.2	3.5	1,574.6	3.6	522,178.4	108.8	20.9	9.7	13,378.0	83.1	11,385.6	2818
2,794.8	8.3	995.0	3.9	1,799.8	4.4	339,252.8	89.7	2.8	6.9	45,924.8	218.3	2,693.4	2819
4,087.9	10.8	2,160.3	6.3	1,927.6	4.5	109,709.9	32.1	6.2	3.8	8,949.9	65.3	3,155.1	282
3,166.6	7.9	1,697.5	4.6	1,469.1	3.3	37,890.6	11.3	2.8	3.1	4,367.6	34.6	(S)	2821
44.6	0.1	(S)	(S)	(S)	(S)	36,251.1	9.1	2.4	0.6	1,570.4	10.8	(S)	2822
120.0	0.4	(S)	(S)	(S)	(S)	9,702.4	3.3	(Z)	-	472.7	3.7	1,713.7	2823
756.7	2.4	330.3	1.3	426.4	1.1	25,865.8	8.4	1.0	0.1	2,539.2	16.2	1,002.4	2824
2,604.1	6.9	1,273.6	3.7	1,330.5	3.2	7,664.9	3.5	1.3	1.4	1,830.5	19.5	157.1	283
1,250.1	3.4	1,047.6	2.9	202.5	0.5	1,288.0	0.6	0.2	0.1	316.7	3.0	41.4	2833
1,354.0	3.5	226.0	0.8	1,128.0	2.7	6,376.9	2.9	1.1	0.6	1,418.5	15.2	115.7	2834
1,144.2	3.4	414.7	1.4	729.5	2.0	14,298.1	6.1	0.5	3.1	902.8	12.2	50.7	284
769.4	2.0	215.7	0.6	553.7	1.4	11,441.0	4.9	0.1	-	468.4	5.5	43.4	2841
130.0	0.4	84.9	0.3	45.1	0.1	719.0	0.4	0.1	0.5	110.0	1.9	-	2842
244.8	1.0	114.1	0.5	130.7	0.5	2,138.1	0.8	0.3	0.7	112.5	1.5	7.0	2843
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.9	211.9	3.3	(S)	2844
443.3	1.6	309.9	1.2	133.4	0.4	4,702.4	2.8	0.6	2.6	622.9	9.8	(S)	2851
191.7	0.8	90.8	0.4	100.9	0.4	5,268.6	1.8	3.7	-	129.5	1.7	(S)	2861
589.7	2.0	281.9	1.2	307.8	0.8	28,817.6	9.6	2.4	4.8	2,610.8	23.7	99.0	287
507.2	1.5	210.2	0.8	297.0	0.7	26,323.6	8.8	2.0	1.1	2,153.0	17.7	58.5	2871
82.5	0.5	71.7	0.4	10.8	0.1	2,494.0	0.8	0.4	0.9	140.9	2.9	-	2872
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.8	316.9	3.1	40.5	2879
1,606.8	4.9	630.6	2.6	976.2	2.3	29,532.6	8.1	3.3	7.0	1,742.6	19.7	155.4	289
679.9	1.9	164.8	0.7	515.1	1.2	1,203.1	0.6	0.4	0.6	146.9	2.2	34.8	2891
352.7	1.3	298.9	1.2	53.8	0.1	1,913.2	0.7	2.1	2.1	626.6	6.2	8.0	2892
-	-	-	-	-	-	15,317.9	2.7	(Z)	0.1	364.4	3.3	(S)	2895
574.2	1.7	166.9	0.7	407.3	1.0	11,098.4	4.1	0.8	3.3	496.8	6.1	111.9	2899

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
					Bituminous coal, lignite, and anthracite		Coke and breeze	
		Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
29	Petroleum and coal products	408,482.6	456.9	322.4	891.9	5.2	-	-
2911	Petroleum refining	386,533.3	416.9	294.1	776.9	4.3	-	-
295	Paving and roofing materials	19,182.5	35.1	24.9	88.7	0.7	-	-
2951	Paving mixtures and blocks	11,696.8	23.3	16.5	-	-	-	-
2952	Asphalt felts and coatings	7,485.7	11.8	8.4	88.7	0.7	-	-
299	Miscellaneous petroleum and coal products	2,766.8	5.1	3.5	26.3	0.2	-	-
2992	Lubricating oils and greases	1,369.4	2.8	1.7	15.7	0.1	-	-
2999	Petroleum and coal products, n.e.c.	1,397.4	2.3	1.8	10.6	0.1	-	-
30	Rubber and plastics products, n.e.c.	53,567.8	175.1	57.8	1,933.2	13.6	-	-
3011	Tires and inner tubes	19,471.7	40.7	16.2	1,266.2	8.1	-	-
3021	Rubber footwear	931.6	3.9	1.2	-	-	-	-
3069	Fabricated rubber products, n.e.c.	14,840.7	44.9	18.1	522.1	4.3	-	-
3079	Miscellaneous plastic products	17,711.0	83.4	21.8	144.9	1.2	-	-
31	Leather and leather products	9,765.0	34.1	13.5	277.6	2.5	-	-
3111	Leather tanning and finishing	5,839.3	13.5	8.0	240.3	2.2	-	-
314	Footwear, except rubber	2,513.0	14.2	3.6	37.3	0.3	-	-
3141	Shoes, except rubber	2,340.0	13.4	3.4	37.3	0.3	-	-
317	Handbags and personal leather goods[2]	353.8	2.1	0.5	(NA)	(NA)	(NA)	(NA)
32	Stone, clay, and glass products	360,133.1	637.8	437.5	11,797.4	87.5	48.5	1.2
3211	Flat glass	15,480.1	28.7	20.7	(S)	(S)	-	-
322	Glass and glassware, pressed or blown	53,067.0	103.6	72.8	(S)	(S)	-	-
3221	Glass containers	34,617.5	66.3	45.7	(S)	(S)	-	-
3229	Pressed and blown glass, n.e.c.	18,449.5	37.3	27.1	13.4	0.1	-	-
3231	Products of purchased glass	3,101.3	9.2	4.6	7.7	0.1	-	-
3241	Cement, hydraulic	136,610.3	190.5	124.6	8,554.0	61.3	-	-
325	Structural clay products	47,666.3	81.0	63.8	613.1	4.1	-	-
3251	Brick and structural clay tile	27,985.6	44.7	35.2	439.4	2.9	-	-
3253	Ceramic wall and floor tile	2,101.9	4.9	3.3	-	-	-	-
3255	Clay refractories	8,865.5	16.9	13.4	30.4	0.2	-	-
3259	Structural clay products, n.e.c.	8,713.3	14.5	11.9	143.3	1.0	-	-
326	Pottery and related products	6,859.5	15.9	10.8	55.8	0.5	-	-
3261	Vitreous plumbing fixtures	2,317.3	4.5	3.2	(S)	(S)	-	-
3262	Vitreous china food utensils	840.6	2.0	1.5	(S)	(S)	-	-
3263	Fine earthenware food utensils	792.9	1.7	1.3	(S)	(S)	-	-
3264	Porcelain electrical supplies	1,833.5	4.8	2.8	30.5	0.2	-	-
3269	Pottery products, n.e.c.	1,075.2	2.9	2.0	-	-	-	-
327	Concrete, gypsum, and plaster products	65,391.2	130.2	96.0	1,747.9	14.8	-	-
3271	Concrete block and brick	5,159.1	13.3	8.8	20.4	0.2	-	-
3272	Concrete products, n.e.c.	6,711.1	17.3	11.1	6.6	0.1	-	-
3273	Ready-mixed concrete	21,379.3	50.0	39.2	13.0	0.1	-	-
3274	Lime	23,062.4	31.4	25.9	1,625.6	13.8	-	-
3275	Gypsum products	9,079.3	18.2	11.0	82.3	0.6	-	-
3281	Cut stone and stone products[2]	1,464.9	5.0	1.7	(NA)	(NA)	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products	30,492.5	74.4	42.5	481.5	4.2	48.5	1.2
3291	Abrasive products	3,439.2	11.0	4.5	77.5	0.8	-	-
3292	Asbestos products	3,270.0	10.9	4.6	28.6	0.3	-	-
3293	Gaskets and insulations	1,591.0	4.7	2.6	20.0	0.2	-	-
3295	Minerals, ground or treated	4,917.2	12.5	7.7	24.0	0.3	-	-
3296	Mineral wool	10,823.6	20.9	13.5	145.4	0.9	48.5	1.2
3297	Nonclay refractories	5,462.4	12.1	8.1	186.0	1.7	-	-
3299	Nonmetallic mineral products, n.e.c.	989.1	2.3	1.5	-	-	-	-

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
10,079.1	24.6	1,768.8	6.6	8,310.3	18.0	1,122,434.3	263.0	10.4	19.2	18,185.9	134.5	4,094.6	29
7,263.1	14.8	354.5	0.8	6,908.6	14.0	1,100,755.8	254.4	8.5	12.1	17,474.0	122.8	4,088.0	2911
2,469.3	8.8	1,326.3	5.5	1,143.0	3.3	16,845.2	6.7	1.9	6.8	610.8	10.2	6.6	295
1,674.2	6.8	1,159.2	5.0	515.0	1.8	8,288.2	3.8	1.1	4.8	352.2	6.8	(S)	2951
795.1	2.0	167.1	0.5	628.0	1.5	8,557.0	2.9	0.8	2.0	258.6	3.4	(S)	2952
346.7	1.0	88.0	0.3	258.7	0.7	4,833.3	1.9	-	0.4	101.1	1.6	-	299
300.1	0.8	88.0	0.3	212.1	0.5	931.7	0.4	-	0.4	62.0	1.1	-	2992
46.6	0.2	-	-	46.6	0.2	3,901.6	1.5	-	-	39.1	0.5	-	2999
3,710.5	10.9	1,270.8	4.8	2,439.7	6.1	42,617.4	20.2	1.8	11.3	10,184.2	117.3	583.3	30
584.0	1.6	218.8	0.6	365.2	1.0	17,340.6	5.4	0.1	1.0	2,674.5	24.5	514.6	3011
268.4	0.7	132.5	0.4	135.9	0.3	442.0	0.2	0.1	0.2	207.1	2.7	1.0	3021
1,528.8	4.2	395.4	1.6	1,133.4	2.6	9,650.8	5.3	0.8	3.5	2,237.0	26.8	63.9	3069
1,329.3	4.4	524.1	2.2	805.2	2.2	15,184.0	9.3	0.8	6.1	4,826.8	61.6	3.8	3079
1,369.3	3.9	328.6	1.2	1,040.7	2.7	4,238.8	2.4	0.4	4.3	1,288.0	20.6	45.5	31
1,050.5	2.7	200.2	0.6	850.3	2.1	3,303.6	1.7	0.2	1.2	388.4	5.5	43.7	3111
318.8	1.2	128.4	0.6	190.4	0.6	935.2	0.7	0.2	1.2	646.1	10.6	1.8	314
318.8	1.2	128.4	0.6	190.4	0.6	935.2	0.7	0.2	1.0	610.6	10.0	(S)	3141
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	77.8	1.6	-	317
12,030.4	44.1	5,788.1	26.1	6,242.3	18.0	624,385.1	237.7	18.6	48.4	19,570.0	200.3	1,240.7	32
(S)	(S)	(S)	(S)	(S)	(S)	36,607.3	16.4	(S)	(S)	988.3	8.0	175.3	3211
1,701.3	5.1	389.2	1.7	1,312.1	3.4	142,201.8	61.6	2.3	(S)	3,524.6	30.0	(S)	322
1,437.4	4.2	281.2	1.2	1,156.2	3.0	94,602.5	39.7	0.8	(S)	2,329.8	19.8	(S)	3221
263.9	0.9	108.0	0.5	155.9	0.4	47,599.3	21.9	1.5	2.7	1,194.8	10.2	(S)	3229
57.6	0.2	29.0	0.1	28.6	0.1	4,522.6	2.5	0.2	1.6	357.1	4.6	22.2	3231
2,611.0	7.3	674.2	2.5	1,936.8	4.8	182,987.1	51.3	0.4	4.3	7,495.2	65.9	923.0	3241
941.4	3.6	698.7	2.8	242.7	0.8	116,599.4	48.8	1.3	6.0	1,285.1	17.2	(S)	325
649.4	2.5	447.9	1.8	201.5	0.7	65,185.9	25.1	0.8	3.9	702.4	9.5	(S)	3251
59.7	0.3	(S)	(S)	(S)	(S)	6,114.1	2.9	0.1	-	128.3	1.6	(S)	3253
111.2	0.4	(S)	(S)	(S)	(S)	23,231.9	11.2	0.1	1.5	271.6	3.5	(S)	3255
121.1	0.4	(S)	(S)	(S)	(S)	22,067.5	9.6	0.3	0.6	182.8	2.6	(S)	3259
(S)	(S)	(S)	(S)	(S)	(S)	13,819.3	7.5	(S)	1.9	428.4	5.2	(S)	326
(S)	(S)	(S)	(S)	(S)	(S)	5,203.8	2.3	-	0.6	122.2	1.4	(S)	3261
-	-	-	-	-	-	1,728.4	1.1	(S)	0.3	39.7	0.5	(S)	3262
(S)	(S)	(S)	(S)	-	-	1,548.7	0.9	-	0.2	35.0	0.4	-	3263
101.5	0.3	38.6	0.2	62.9	0.1	3,589.8	2.0	-	0.2	181.5	2.0	(S)	3264
(S)	(S)	(S)	(S)	-	-	1,748.6	1.2	(S)	0.6	50.0	0.9	-	3269
4,577.4	19.6	2,985.5	14.6	1,591.9	5.0	74,899.7	27.0	11.7	22.9	2,306.4	34.2	(S)	327
581.5	2.5	339.6	1.7	241.9	0.8	6,085.9	2.8	0.9	2.4	217.2	4.5	(S)	3271
631.5	3.1	517.8	2.6	113.7	0.5	8,222.8	3.1	1.5	3.3	366.0	6.2	(S)	3272
2,135.0	10.2	1,850.0	9.1	285.0	1.1	10,624.6	3.3	8.9	16.7	553.9	10.8	(S)	3273
401.1	1.3	72.4	0.3	328.7	1.0	30,000.6	10.3	0.3	0.2	511.5	5.5	(S)	3274
828.3	2.5	205.7	0.9	622.6	1.6	19,965.8	7.5	0.1	0.3	657.8	7.2	(S)	3275
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.7	220.5	3.3	41.8	3281
1,872.1	7.4	869.6	3.9	1,002.5	3.5	52,747.9	22.6	2.0	5.1	2,964.4	31.9	67.9	329
316.6	1.1	149.8	0.6	166.8	0.5	4,053.0	1.8	0.4	0.4	393.3	6.5	35.1	3291
375.0	1.5	155.0	0.6	220.0	0.9	3,879,5	1.7	0.3	0.8	555.0	6.3	19.2	3292
261.3	0.8	65.0	0.3	196.3	0.5	977.6	0.5	0.4	0.6	152.7	2.1	10.0	3293
469.3	2.3	260.3	1.3	209.0	1.0	8,111.4	3.3	0.4	1.4	334.0	4.8	(S)	3295
170.4	0.5	40.2	0.2	130.2	0.3	23,690.6	9.4	0.1	1.4	803.9	7.4	3.1	3296
226.3	0.9	166.7	0.7	59.6	0.2	10,229.6	5.1	0.2	0.2	360.2	4.0	-	3297
53.2	0.3	32.6	0.2	20.6	0.1	1,806.2	0.8	0.2	0.3	65.3	0.8	-	3299

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
		Kilowatt-hours equivalent[1]	Total cost	Total cost	Bituminous coal, lignite, and anthracite		Coke and breeze	
					Quantity	Cost	Quantity	Cost
		(millions)	(million dollars)	(million dollars)	(1,000 short tons)	(million dollars)	(1,000 short tons)	(million dollars)
33	Primary metal industries	709,924.8	1,635.7	942.2	9,883.2	71.1	12,990.5	229.0
331	Blast furnace and basic steel products	451,829.3	971.1	641.2	7,168.5	47.4	11,280.7	174.3
3312	Blast furnaces and steel mills	415,608.7	877.3	606.4	5,719.1	39.3	11,017.2	170.7
3313	Electrometallurgical products	21,655.1	50.5	14.4	1,315.1	7.2	263.5	3.6
3315	Steel wire and related products	4,598.7	13.8	6.0	29.0	0.2	-	-
3316	Cold finishing of steel shapes	5,198.7	15.7	7.5	77.0	0.5	-	-
3317	Steel pipe and tubes	4,768.1	13.8	6.9	28.3	0.2	-	-
332	Iron and steel foundries	45,847.2	166.1	100.2	419.6	4.7	1,319.8	47.6
3321	Gray iron foundries	28,066.1	102.7	70.7	153.4	1.6	1,175.6	42.3
3322	Malleable iron foundries	6,392.2	20.4	12.7	167.8	2.1	130.6	4.8
3323	Steel foundries	11,388.9	43.0	16.8	98.4	1.0	13.6	0.5
333	Primary nonferrous metals	126,346.1	243.9	72.8	1,482.9	13.0	367.4	6.4
3331	Primary copper	13,452.9	21.5	14.9	159.7	1.5	12.8	0.3
3332	Primary lead	2,969.9	7.1	6.0	72.4	0.7	153.0	3.6
3333	Primary zinc	16,583.9	22.9	14.4	678.6	5.1	197.4	2.4
3334	Primary aluminum	86,309.3	176.8	33.2	565.2	5.6	-	-
3339	Primary nonferrous metals, n.e.c.	7,030.1	15.6	4.3	7.0	0.1	3.3	0.1
3341	Secondary nonferrous metals	7,593.9	17.4	12.7	4.5	(Z)	19.6	0.6
335	Nonferrous rolling and drawing	40,564.5	130.0	53.4	348.0	2.6	-	-
3351	Copper rolling and drawing	9,172.7	30.7	12.9	92.2	0.7	-	-
3352	Aluminum rolling and drawing	19,737.2	54.0	25.3	164.9	1.1	-	-
3356	Nonferrous rolling and drawing, n.e.c.	4,527.6	14.2	6.0	31.5	0.2	-	-
3357	Nonferrous wiredrawing and insulating	7,127.0	31.1	9.2	59.4	0.6	-	-
336	Nonferrous foundries	11,138.1	37.5	19.4	42.9	0.3	3.0	0.1
3361	Aluminum castings	6,552.8	19.8	11.0	12.5	0.1	-	-
3362	Brass, bronze, and copper castings	2,017.7	7.6	3.8	-	-	3.0	0.1
3369	Nonferrous castings, n.e.c.	2,567.6	10.1	4.6	30.7	0.2	-	-
339	Miscellaneous primary metal products	26,605.7	69.6	42.5	416.8	3.1	-	-
3391	Iron and steel forgings	15,604.2	34.7	25.3	366.3	2.9	-	-
3392	Nonferrous forgings	3,087.0	6.9	3.4	46.3	0.2	-	-
3399	Primary metal products, n.e.c.	7,914.5	28.0	13.8	4.2	(Z)	-	-
34	Fabricated metal products	87,258.4	352.7	145.2	1,018.0	8.1	113.5	4.0
3411	Metal cans	5,887.5	20.0	9.1	56.2	0.5	-	-
342	Cutlery, handtools, and hardware	9,370.6	35.3	14.8	270.2	2.3	1.9	0.1
3421	Cutlery	705.1	2.8	1.2	6.0	0.1	-	-
3423	Hand and edge tools, n.e.c.	2,469.4	8.7	4.3	54.2	0.3	-	-
3429	Hardware, n.e.c.	5,834.4	22.0	8.7	210.0	1.9	1.9	0.1
343	Plumbing and heating, except electric	5,420.6	18.7	9.9	49.0	0.4	55.8	1.9
3431	Metal sanitary ware	2,331.3	6.2	4.2	27.8	0.3	34.9	1.1
3432	Plumbing fittings and brass goods	696.6	3.1	1.1	2.7	(Z)	-	-
3433	Heating equipment, except electric	2,392.7	9.4	4.6	18.5	0.1	20.9	0.8
344	Fabricated structural metal products	21,973.9	86.6	37.3	73.7	0.6	10.0	0.4
3441	Fabricated structrual steel	6,293.5	23.2	11.0	18.7	0.1	4.5	0.2
3442	Metal doors, sash, and trim	2,803.7	11.7	4.4	8.7	0.1	0.2	(Z)
3443	Fabricated platework (boiler shops)	6,755.4	25.8	11.4	7.2	0.1	4.6	0.2
3444	Sheet metalwork	3,327.5	12.6	5.8	39.1	0.3	0.7	Z
3446	Architectural metalwork	1,051.0	4.5	1.9	-	-	-	-
3449	Miscellaneous metalwork	1,742.8	8.8	2.8	-	-	-	-
345	Screw machine products, bolts, etc.	5,846.7	26.5	9.7	51.0	0.4	-	-
3451	Screw machine products	1,675.7	9.4	2.7	4.0	(Z)	-	-
3452	Bolts, nuts, rivets, and washers	4,171.0	17.1	7.0	47.0	0.4	-	-
3461	Metal stampings	14,000.4	62.4	20.6	401.2	3.0	-	-
347	Metal services, n.e.c.	8,921.0	38.2	16.4	10.7	0.1	-	-
3471	Plating and polishing	5,575.2	27.4	10.4	9.9	0.1	-	-
3479	Metal coating and allied services	3,345.8	10.8	6.0	0.8	(Z)	-	-
3481	Miscellaneous fabricated wire products	3,406.6	15.6	6.2	14.4	0.1	-	-
349	Miscellaneous fabricated metal products	12,431.1	49.1	21.3	91.6	0.7	45.8	1.6
3491	Metal barrels, drums, and pails	1,287.7	4.8	2.3	-	-	-	-
3494	Valves and pipe fittings	5,973.7	23.0	9.9	91.6	0.7	45.8	1.6
3499	Fabricated metal products, n.e.c.[2]	2,151.1	9.6	3.7	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels—Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
40,712.2	132.8	16,829.7	57.6	23,882.5	75.2	1,141,586.4	426.4	30.1	52.8	109,468.6	693.5	22,482.4	33
31,638.4	102.7	12,459.4	40.3	19,179.1	62.4	[3]755,019.2	273.4	21.4	22.0	44,598.9	329.9	9,770.5	331
30,894.3	100.2	11,960.5	38.6	18,933.8	61.6	722,566.4	257.9	19.4	18.9	34,794.8	270.9	6,332.4	3312
60.9	0.2	60.9	0.2	-	-	4,224.2	1.7	1.5	0.1	7,852.0	36.1	3,353.7	3313
335.2	1.0	241.9	0.7	93.3	0.3	9,646.8	4.3	0.1	0.4	608.1	7.8	83.6	3315
178.7	0.6	114.3	0.4	64.4	0.2	8,422.3	4.8	0.2	1.4	759.8	8.2	-	3316
169.3	0.7	81.7	0.4	87.6	0.3	10,159.5	4.7	0.2	1.2	584.2	6.9	(S)	3317
1,293.7	5.1	916.2	3.8	377.5	1.3	55,586.4	29.1	3.2	10.5	5,817.4	65.9	42.4	332
416.1	1.7	351.4	1.5	64.7	0.2	26,340.6	13.9	2.0	9.2	2,805.5	32.0	15.3	3321
164.5	0.7	133.4	0.6	31.1	0.1	8,822.2	4.4	0.2	0.5	779.1	7.7	19.9	3322
713.1	2.7	431.4	1.7	281.7	1.0	20,423.6	10.8	1.0	0.8	2,232.8	26.2	7.2	3323
1,885.1	4.7	263.2	1.1	1,621.9	3.6	200,944.3	46.8	0.6	1.1	46,915.7	171.1	12,563.5	333
1,574.9	3.6	120.9	0.5	1,454.0	3.1	26,306.6	8.7	(Z)	0.6	859.8	6.6	72.7	3331
33.6	0.1	33.6	0.1	-	-	3,192.9	1.3	0.2	0.1	113.5	1.1	24.1	3332
8.3	(Z)	8.3	(Z)	-	-	27,345.9	6.8	(Z)	0.1	1,493.0	8.5	818.7	3333
142.9	0.5	36.2	0.2	106.7	0.3	130,815.3	26.7	0.4	(Z)	41,956.9	143.6	11,648.0	3334
125.4	0.5	64.2	0.3	61.2	0.2	13,283.6	3.3	(Z)	0.3	2,492.5	11.3	-	3339
570.6	2.0	343.6	1.3	227.0	0.7	11,677.1	5.9	0.6	3.6	366.1	4.7	-	3341
2,762.2	8.2	1,315.8	4.6	1,446.4	3.6	66,704.6	34.4	2.2	6.0	8,391.3	76.6	(S)	335
1,261.3	3.2	525.1	1.5	736.2	1.7	10,900.7	6.7	0.6	1.7	1,681.0	17.8	100.4	3351
611.9	2.5	508.5	2.1	103.4	0.4	41,037.1	19.3	1.0	1.4	3,862.7	28.7	(S)	3352
63.8	0.2	33.9	0.1	29.9	0.1	7,812.9	4.3	0.2	1.2	962.8	8.2	(S)	3356
825.2	2.3	248.3	0.9	576.9	1.4	6,953.9	4.1	0.4	1.7	1,884.8	21.9	1.3	3357
442.3	2.0	393.2	1.8	49.1	0.2	22,510.5	13.6	1.0	2.4	1,420.9	18.1	(S)	336
226.4	1.0	191.5	0.9	34.9	0.1	13,699.9	8.1	0.2	1.7	747.1	8.8	(S)	3361
152.0	0.8	137.8	0.7	14.2	0.1	3,726.7	2.3	0.1	0.5	252.5	3.8	-	3362
63.9	0.2	63.9	0.2	-	-	5,083.9	3.2	0.7	0.2	421.3	5.5	(S)	3369
2,119.8	8.1	1,138.3	4.7	981.5	3.4	29,144.3	23.2	1.1	7.0	1,958.3	27.1	(S)	339
870.0	7.1	1,018.0	4.2	852.0	2.9	22,402.5	12.1	0.5	2.8	745.9	9.4	(S)	3391
64.6	0.2	15.8	0.1	48.8	0.1	6,727.8	2.6	0.1	0.3	360.8	3.5	(S)	3392
185.2	0.8	104.5	0.4	80.7	0.4	13,290.7	8.5	0.5	3.9	851.6	14.2	(S)	3399
4,566.5	16.7	2,474.9	10.3	2,091.6	6.4	103,736.7	59.8	7.4	49.2	14,694.2	207.3	84.7	34
272.0	0.8	89.0	0.3	183.0	0.5	12,563.6	7.2	0.4	0.2	994.6	10.9	(S)	3411
830.6	3.0	355.4	1.5	475.2	1.5	8,943.0	6.1	0.3	3.1	1,556.1	20.6	47.0	342
112.5	0.4	72.7	0.3	39.8	0.1	200.0	0.1	-	0.6	116.4	1.6	(S)	3421
284.3	1.1	134.7	0.6	149.6	0.5	3,212.9	2.2	0.1	0.6	268.8	4.4	-	3423
433.8	1.5	148.0	0.6	285.8	0.9	5,530.1	3.8	0.2	1.3	1,093.0	13.4	35.0	3429
308.0	1.1	144.7	0.6	163.3	0.5	8,031.9	4.3	0.2	2.0	710.5	8.9	(S)	343
86.6	0.3	21.1	0.1	65.5	0.2	4,538.2	2.2	-	0.3	176.6	2.0	11.4	3431
66.3	0.2	36.8	0.1	29.5	0.1	899.1	0.5	0.1	0.3	146.2	2.0	(S)	3432
155.1	0.6	86.8	0.4	68.3	0.2	2,594.6	1.6	0.1	1.4	387.7	4.9	(S)	3433
850.1	3.6	627.6	2.9	222.5	0.7	29,035.2	14.7	2.7	15.5	3,519.0	49.2	(S)	344
213.5	1.0	187.7	0.9	25.8	0.1	6,567.3	3.0	0.9	5.8	863.3	12.1	(S)	3441
70.1	0.3	61.6	0.3	8.5	(Z)	3,958.2	1.9	0.2	1.9	483.9	7.3	1.4	3442
392.6	1.5	243.8	1.0	148.8	0.5	10,195.2	5.0	1.1	3.5	1,019.1	14.4	2.3	3443
105.8	0.5	81.1	0.4	24.7	0.1	3,775.2	2.4	0.3	2.5	456.4	6.8	2.8	3444
13.4	0.1	13.4	0.1	-	-	1,359.9	0.9	0.1	0.8	175.3	2.6	(S)	3446
54.7	0.2	40.0	0.2	14.7	(Z)	3,179.4	1.5	0.1	1.0	521.0	6.0	(S)	3449
478.8	1.6	296.4	1.0	182.4	0.6	7,152.0	4.7	0.4	2.6	1,151.1	16.8	(S)	345
111.8	0.4	101.0	0.3	10.8	0.1	1,200.0	0.7	0.2	1.4	397.5	6.7	(S)	3451
367.0	1.2	195.4	0.7	171.6	0.5	5,952.0	4.0	0.2	1.2	753.6	10.1	(S)	3452
634.1	2.3	326.0	1.4	308.1	0.9	12,784.2	8.3	1.8	5.2	3,137.3	41.8	10.8	3461
503.8	2.0	303.5	1.3	200.3	0.7	12,256.5	7.1	0.9	6.2	1,145.9	21.8	(S)	347
402.5	1.5	221.4	0.9	181.1	0.6	6,959.9	4.5	0.7	3.5	898.3	17.0	(S)	3471
101.3	0.5	82.1	0.4	19.2	0.1	5,296.6	2.6	0.2	2.7	247.6	4.8	(S)	3479
221.5	0.7	74.0	0.3	147.5	0.4	2,835.2	1.9	0.2	3.3	451.7	9.4	-	3481
467.6	1.6	258.3	1.0	209.3	0.6	10,135.1	5.5	0.5	11.4	2,028.0	27.8	(S)	349
97.1	0.3	52.4	0.2	44.7	0.1	2,494.6	1.5	0.1	0.4	155.9	2.5	1.0	3491
370.5	1.3	205.9	0.8	164.6	0.5	7,640.5	4.0	0.4	1.9	997.6	13.1	3.9	3494
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.7	404.7	5.9	7.6	3499

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
					Bituminous coal, lignite, and anthracite		Coke and breeze	
		Kilowatt-hours equivalent[1] (million)	Total cost (million dollars)	Total cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
35	Machinery, except electrical	91,266.3	356.0	138.8	1,664.5	12.9	165.7	6.0
351	Engines and turbines	8,726.8	24.8	11.8	317.8	2.7	15.1	0.6
3511	Steam engines and turbines	4,746.8	10.3	6.2	214.0	2.0	-	-
3519	Internal combustion engines, n.e.c.	3,980.0	14.5	5.6	103.8	0.7	15.1	0.6
3522	Farm machinery	11,320.8	31.8	17.8	458.1	3.0	94.5	3.6
353	Construction and related machinery	16,166.2	57.9	23.5	386.1	3.0	18.6	0.6
3531	Construction machinery	10,131.6	33.0	14.2	345.6	2.6	14.8	0.5
3532	Mining machinery	1,035.8	4.6	1.8	19.0	0.2	3.8	0.1
3533	Oilfield machinery[2]	1,905.2	7.7	2.7	(NA)	(NA)	(NA)	(NA)
3536	Hoists, cranes, and monorails	760.7	2.9	1.2	21.5	0.2	-	-
354	Metalworking machinery	12,604.4	61.0	20.3	104.6	0.9	-	-
3541	Machine tools, metal-cutting types	3,022.3	14.4	4.8	48.8	0.4	-	-
3542	Machine tools, metal-forming types	1,051.8	4.8	1.7	8.0	0.1	-	-
3544	Special dies, tools, jigs, and fixtures	3,869.0	21.2	6.6	16.0	0.1	-	-
3545	Machine tool accessories	2,265.3	11.8	3.5	4.7	0.1	-	-
3548	Metalworking machinery, n.e.c.	2,396.0	8.8	3.7	27.1	0.2	-	-
355	Special industry machinery	8,281.4	34.7	12.9	12.3	0.1	6.5	0.2
3552	Textile machinery[2]	1,674.4	6.5	2.6	(NA)	(NA)	(NA)	(NA)
3559	Special industry machinery, n.e.c.	2,972.9	13.1	4.7	12.3	0.1	6.5	0.2
356	General industrial machinery	14,310.8	57.1	23.3	183.5	1.4	25.3	0.8
3561	Pumps and compressors	4,038.9	15.3	6.9	92.5	0.8	17.1	0.6
3562	Ball and roller bearings	4,302.0	16.0	6.5	65.7	0.4	1.1	(Z)
3564	Blowers and fans	880.6	3.9	1.6	2.0	(Z)	1.2	(Z)
3566	Power transmission equipment	2,724.1	11.6	4.5	21.4	0.2	5.9	0.2
3569	General industrial machinery, n.e.c.	1,475.6	6.4	2.4	1.9	(Z)	-	-
357	Office and computing machines	5,017.4	21.5	6.1	65.4	0.6	-	-
3572	Typewriters	936.2	2.9	1.2	(S)	(S)	-	-
3573	Electronic computing equipment	2,185.7	11.8	2.2	-	-	-	-
3574	Calculating and accounting machines	810.0	2.7	1.2	(S)	(S)	-	-
3576	Scales and balances	409.8	1.4	0.6	(S)	(S)	-	-
3579	Office machines, n.e.c.	675.7	2.7	0.9	(S)	(S)	-	-
358	Service industry machines	6,218.0	24.5	9.4	110.8	1.0	-	-
3585	Refrigeration machinery	4,572.0	17.9	6.8	110.8	1.0	-	-
3599	Miscellaneous machinery, except electrical	8,620.5	42.5	13.6	25.9	0.3	5.7	0.2
36	Electrical equipment and supplies	68,964.4	289.4	89.5	771.7	6.0	9.8	0.4
361	Electric test and distributing equipment[2]	5,480.6	24.9	6.9	(NA)	(NA)	(NA)	(NA)
3611	Electric measuring instruments[2]	1,222.3	6.5	1.5	(NA)	(NA)	(NA)	(NA)
3612	Transformers[2]	2,332.5	9.3	2.9	(NA)	(NA)	(NA)	(NA)
3613	Switchgear and switchboard apparatus[2]	1,925.8	9.1	2.5	(NA)	(NA)	(NA)	(NA)
362	Electrical industrial apparatus	11,864.8	45.1	15.3	117.2	0.9	-	-
3621	Motors and generators	4,459.1	18.6	6.7	86.0	0.7	-	-
3622	Industrial controls[2]	1,431.8	6.6	1.9	(NA)	(NA)	(NA)	(NA)
3624	Carbon and graphite products	4,551.8	13.9	4.7	31.2	0.2	-	-
363	Household appliances	12,183.8	40.6	16.5	285.8	2.0	-	-
3632	Household refrigerators and freezers	5,384.1	14.8	6.5	285.8	2.0	-	-
3633	Household laundry equipment[2]	1,900.4	7.6	2.8	(NA)	(NA)	(NA)	(NA)
3634	Electric housewares and fans[2]	1,559.2	6.9	2.2	(NA)	(NA)	(NA)	(NA)
364	Electric lighting and wiring equipment	7,988.8	30.9	12.4	108.3	0.9	9.8	0.4
3641	Electric lamps[2]	1,807.3	6.5	2.7	(NA)	(NA)	(NA)	(NA)
3642	Lighting fixtures	3,432.0	12.4	5.2	58.9	0.5	-	-
3643	Current carrying wiring devices	908.5	5.5	1.4	2.1	(Z)	-	-
3644	Noncurrent carrying wiring devices	1,841.0	6.5	3.1	47.3	0.4	9.8	0.4
365	Radio and TV receiving equipment[2]	2,859.3	12.8	3.8	(NA)	(NA)	(NA)	(NA)
3651	Radio and TV receiving sets[2]	2,063.7	9.6	2.6	(NA)	(NA)	(NA)	(NA)
366	Communication equipment	11,528.4	53.4	12.3	193.7	1.5	-	-
3661	Telephone and telegraph apparatus	4,095.7	11.9	4.1	172.2	1.3	-	-
3662	Radio and TV communication equipment	7,432.7	41.5	8.2	21.5	0.2	-	-

See footnotes at end of table.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
5,206.6	17.1	2,120.1	8.7	3,086.5	8.3	79,581.0	47.4	6.2	49.2	16,659.3	217.2	596.1	35
1,413.4	3.5	375.7	1.2	1,037.7	2.3	5,816.5	3.3	0.9	0.8	1,219.4	13.0	186.4	351
976.4	2.1	63.4	0.2	913.0	1.9	2,358.7	1.4	0.6	0.1	395.4	4.1	142.3	3511
437.0	1.4	312.3	1.0	124.7	0.4	3,457.8	1.9	0.3	0.7	824.0	8.9	44.1	3519
284.6	1.2	173.2	0.8	111.4	0.4	13,808.7	6.9	0.8	2.3	1,046.2	14.0	198.2	3522
357.2	1.4	275.3	1.1	81.9	0.3	12,838.9	7.5	0.6	10.4	2,913.8	34.4	81.9	353
290.8	1.2	208.9	0.9	81.9	0.3	10,858.9	6.1	0.4	3.4	1,684.4	18.8	80.1	3531
29.3	0.1	29.3	0.1	-	-	1,284.2	0.9	0.1	0.4	203.9	2.8	(S)	3532
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	471.5	5.0	(S)	3533
37.1	0.1	37.1	0.1	-	-	695.8	0.5	0.1	0.3	132.7	1.7	-	3536
868.8	3.2	359.6	1.6	509.2	1.6	12,987.2	8.3	1.8	6.0	2,762.0	40.7	12.2	354
276.7	0.9	134.3	0.5	142.4	0.4	3,633.2	2.3	0.7	0.5	677.4	9.6	10.3	3541
146.6	0.6	63.0	0.3	83.6	0.3	898.3	0.6	0.1	0.3	233.6	3.1	-	3542
133.2	0.6	64.7	0.4	68.5	0.2	3,189.1	2.1	0.8	2.9	841.8	14.6	(S)	3544
172.8	0.6	59.4	0.2	113.4	0.4	1,740.3	1.2	0.1	1.5	580.9	8.3	(S)	3545
139.5	0.5	38.2	0.2	101.3	0.3	3,526.3	2.1	0.1	0.8	428.3	5.1	(S)	3548
382.7	1.2	159.6	0.6	223.1	0.6	2,700.0	1.7	0.1	9.6	1,525.4	21.8	26.0	355
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.6	293.8	3.9	(S)	3552
382.7	1.2	159.6	0.6	223.1	0.6	2,700.0	1.7	0.1	1.4	571.1	8.4	(S)	3559
975.3	3.3	384.5	1.7	590.8	1.6	15,158.9	10.1	0.9	6.6	2,667.7	33.8	20.4	356
208.3	0.8	154.6	0.7	53.7	0.2	3,062.8	1.9	0.3	2.3	643.2	8.4	18.5	3561
386.5	1.0	53.0	0.2	333.5	0.8	5,781.3	4.2	0.2	0.7	919.9	9.5	(S)	3562
106.6	0.4	56.7	0.3	49.9	0.1	1,363.5	0.8	0.2	0.2	135.9	2.3	(S)	3564
162.3	0.6	55.5	0.2	106.8	0.3	3,947.4	2.3	0.1	0.9	523.0	7.1	(S)	3566
111.6	0.5	64.7	0.3	46.9	0.2	1,003.9	0.7	0.1	1.1	299.5	4.0	(S)	3569
434.2	1.4	128.3	0.5	305.9	0.9	4,278.7	2.3	0.1	1.7	1,365.7	15.4	75.8	357
38.0	0.2	(S)	(S)	(S)	(S)	1,404.8	0.7	-	(S)	159.4	1.7	-	3572
281.7	0.8	72.8	0.3	208.9	0.5	1,664.9	0.9	0.1	0.4	898.3	9.6	-	3573
15.9	(Z)	(S)	(S)	(S)	(S)	600.0	0.3	-	(S)	123.6	1.5	75.8	3574
24.3	0.1	(S)	(S)	(S)	(S)	171.2	0.1	-	(S)	54.3	0.8	-	3576
74.4	0.3	(S)	(S)	(S)	(S)	437.9	0.3	-	0.1	130.1	1.8	-	3579
202.8	0.8	104.1	0.4	98.7	0.3	6,278.7	3.7	0.4	3.5	1,173.9	15.1	(S)	358
202.8	0.8	104.1	0.4	98.7	0.3	6,278.7	3.7	0.4	0.9	908.5	11.1	(S)	3585
287.6	1.2	159.8	0.8	127.8	0.4	5,713.4	3.7	0.6	7.6	1,985.2	28.9	(S)	3599
2,570.1	8.2	1,107.9	4.2	1,462.2	4.0	48,005.5	25.9	3.7	45.3	19,012.7	199.9	192.3	36
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6.9	1,761.5	18.0	14.4	361
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.5	413.8	5.0	-	3611
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.9	769.4	6.4	(S)	3612
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.5	578.3	6.6	13.7	3613
150.6	0.5	110.7	0.4	39.9	0.1	12,843.1	6.8	0.8	6.2	3,454.6	29.8	49.4	362
111.9	0.4	86.2	0.3	25.7	0.1	4,756.7	2.8	0.7	2.1	1,082.0	11.9	48.8	3621
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.9	407.7	4.7	(S)	3622
38.7	0.1	24.5	0.1	14.2	(Z)	8,086.4	4.0	0.1	0.2	1,620.8	9.2	-	3624
34.8	0.1	3.6	(Z)	31.2	0.1	6,567.6	3.3	0.8	10.3	2,247.0	24.1	(S)	363
34.8	0.1	3.6	(Z)	31.2	0.1	6,567.6	3.3	0.8	0.3	837.3	8.3	-	3632
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.8	391.2	4.8	(S)	3633
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.2	373.4	4.7	-	3634
364.9	1.5	182.0	0.8	182.9	0.7	6,894.0	4.2	0.5	4.9	1,511.9	18.5	(S)	364
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	352.0	3.8	-	3641
177.0	0.6	84.0	0.3	93.0	0.3	4,252.9	2.5	0.2	1.4	590.5	7.2	(S)	3642
90.3	0.5	42.8	0.3	47.5	0.2	600.0	0.4	0.1	0.4	297.0	4.1	(S)	3643
97.6	0.4	55.2	0.2	42.4	0.2	2,041.1	1.3	0.2	0.4	272.4	3.4	-	3644
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	811.1	9.0	2.7	365
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.6	662.3	7.0	2.7	3651
1,135.7	3.2	329.4	1.2	806.3	2.0	9,869.2	4.8	0.5	2.3	3,769.1	41.2	147.1	366
243.4	0.6	69.5	0.2	173.9	0.4	4,644.8	1.7	0.1	0.4	794.9	7.9	115.0	3661
892.3	2.6	259.9	1.0	632.4	1.6	5,224.4	3.1	0.4	1.9	2,974.2	33.3	32.1	3662

Table 4. Fuels and Electric Energy Used for Heat and Power

Code	Industry group and industry	Purchased fuels and electric energy		Purchased fuels				
		Kilowatt-hours equivalent[1] (millions)	Total cost (million dollars)	Total cost (million dollars)	Bituminous coal, lignite, and anthracite		Coke and breeze	
					Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)
36	Electrical equipment and supplies--Con.							
367	Electronic components and accessories	11,849.2	60.4	15.0	66.7	0.7	-	-
3671	Electron tubes, receiving type	579.5	3.2	0.8	-	-	-	-
3672	Cathode ray picture tubes	1,723.8	7.2	2.4	15.5	0.2	-	-
3673	Electron tubes, transmitting	941.4	4.9	1.5	-	-	-	-
3674	Semiconductors	2,346.7	11.8	1.9	-	-	-	-
3679	Electronic components, n.e.c.	6,257.8	33.3	8.4	51.2	0.5	-	-
369	Miscellaneous electrical equipment and supplies	5,209.5	21.1	7.3	(NA)	(NA)	(NA)	(NA)
3691	Storage batteries[2]	1,983.1	8.3	2.7	(NA)	(NA)	(NA)	(NA)
3694	Engine electrical equipment[2]	1,859.2	7.7	2.5	(NA)	(NA)	(NA)	(NA)
37	Transportation equipment	107,066.3	379.5	141.3	3,432.4	28.2	178.1	6.7
371	Motor vehicles and equipment	68,132.0	224.2	93.6	2,822.9	23.5	(S)	(S)
3711	Motor vehicles	34,669.3	105.2	49.2	1,513.1	13.0	(S)	(S)
3712	Passenger car bodies							
3713	Truck and bus bodies	1,549.3	5.6	2.3	(S)	(S)	-	-
3714	Motor vehicle parts and accessories	31,020.3	109.8	40.6	1,285.2	10.3	57.4	2.1
3715	Truck trailers	893.1	3.6	1.5	(S)	(S)	-	-
372	Aircraft and parts	25,867.4	107.7	28.5	357.1	2.8	-	-
3721	Aircraft	10,000.4	38.9	10.8	73.0	0.5	-	-
3722	Aircraft engines and engine parts	8,559.3	35.3	9.6	181.4	1.5	-	-
3729	Aircraft equipment, n.e.c.	7,307.7	33.5	8.1	102.7	0.8	-	-
373	Ship and boat building and repairing	5,719.7	24.9	8.7	66.0	0.6	(S)	(S)
3731	Ship building and repairing	4,506.8	20.2	6.7	(S)	(S)	(S)	(S)
3732	Boat building and repairing	1,212.9	4.7	2.0	(S)	(S)	-	-
374	Railroad equipment	4,562.6	13.4	6.7	186.4	1.3	(S)	(S)
3741	Locomotives and parts	1,547.8	3.2	1.9	126.3	0.9	-	-
3742	Railroad and street cars	3,014.8	10.2	4.8	60.1	0.4	(S)	(S)
379	Miscellaneous transportation equipment[2]	1,774.0	6.7	2.6	(NA)	(NA)	(NA)	(NA)
38	Instruments and related products	15,393.4	55.8	21.7	-	-	-	-
3811	Engineering and scientific instruments[2]	2,093.9	7.6	3.4	(NA)	(NA)	(NA)	(NA)
382	Mechanical measuring and control devices[2]	2,418.0	11.0	3.4	(NA)	(NA)	(NA)	(NA)
3821	Mechanical measuring devices[2]	1,613.6	8.2	2.3	(NA)	(NA)	(NA)	(NA)
384	Medical instruments and supplies[2]	1,809.8	8.4	2.7	(NA)	(NA)	(NA)	(NA)
3861	Photographic equipment and supplies	7,288.1	18.8	9.5	-	-	-	-
39	Miscellaneous manufacturing industries[2]	12,907.0	58.5	20.6	(NA)	(NA)	(NA)	(NA)
391	Jewelry, silverware, and plated ware	1,435.4	6.4	2.3	(NA)	(NA)	(NA)	(NA)
394	Toys and sporting goods	3,093.5	15.8	4.6	(NA)	(NA)	(NA)	(NA)
3941	Games and toys	1,387.3	7.8	2.0	(NA)	(NA)	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c.	1,423.8	6.3	2.2	(NA)	(NA)	(NA)	(NA)
395	Pens, pencils, office, and art supplies	1,049.4	5.2	1.6	(NA)	(NA)	(NA)	(NA)
396	Costume jewelry and notions	1,093.9	5.9	1.6	(NA)	(NA)	(NA)	(NA)
399	Miscellaneous manufactures	5,600.9	22.2	9.4	(NA)	(NA)	(NA)	(NA)
3993	Signs and advertising displays	1,653.4	7.1	2.8	(NA)	(NA)	(NA)	(NA)
3999	Manufactures, n.e.c.	1,522.9	6.6	2.5	(NA)	(NA)	(NA)	(NA)
19	Ordnance and accessories[2]	13,221.8	57.3	17.9	(NA)	(NA)	(NA)	(NA)

Note: This table includes significant revisions to previously published data on fuels and electric energy consumed in manufacturing in 1967 (see text). Detailed figures may not add to totals because of independent rounding. The figures shown for industry and industry groups totals include data for all component industries and industry groups, whether or not separate figures are shown for the individual industries and industry groups comprising the total.

-Represents zero. (NA) Not available. (Z) Less than $50,000. (S) Withheld because the figure did not meet publication standards either to avoid disclosing figures of individual companies or on the basis of a consistency review.

by Selected Industry Groups and Industries: 1967—Continued

Purchased fuels--Continued										Electric energy			Code
Fuel oil						Gas (natural, manufactured, still, blast furnace, and coke oven)		Other fuels, (gasoline, LPG, wood, and purchased steam)	Fuels, not specified by kind	Purchased		Generated less sold	
Total		Distillate		Residual									
Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (million cu. ft.)	Cost (million dollars)	(million dollars)	(million dollars)	Quantity (million kw.-hrs.)	Cost (million dollars)	(million kw.-hrs.)	
884.1	2.9	482.2	1.8	401.9	1.1	11,931.6	6.8	1.1	3.4	4,182.7	45.5	(S)	367
42.3	0.1	-	-	42.3	0.1	773.3	0.5	0.1	0.1	203.1	2.4	-	3671
25.5	0.1	18.8	0.1	6.7	(Z)	3,145.5	2.0	-	0.1	514.4	4.8	-	3672
41.9	0.1	41.9	0.1	-	-	1,300.0	0.8	0.3	0.3	314.4	3.4	-	3673
246.0	0.7	131.4	0.4	114.6	0.3	2,745.5	1.0	0.1	0.1	1,004.5	9.9	-	3674
528.4	1.9	290.1	1.2	238.3	0.7	3,867.3	2.5	0.6	2.8	2,145.8	25.0	(S)	3679
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7.3	1,274.8	13.8	(S)	369
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	527.8	5.6	-	3691
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.5	511.7	5.2	(S)	3694
5,856.9	18.5	1,946.0	8.2	3,910.9	10.4	106,604.2	55.2	15.9	16.8	23,468.3	238.2	87.0	37
2,423.7	7.3	449.2	1.9	1,974.5	5.4	71,776.3	38.4	(S)	7.1	12,800.6	130.6	(S)	371
1,406.7	3.7	169.3	0.7	1,237.4	3.0	36,953.8	18.9	(S)	2.5	5,714.2	56.0	(S)	3711 3712
60.5	0.2	25.0	0.1	35.5	0.1	2,070.0	1.1	(S)	0.8	208.6	3.3	-	3713
829.5	2.9	216.9	0.9	612.6	2.0	31,735.5	17.9	3.8	3.6	6,733.6	69.2	(S)	3714
127.0	0.5	38.0	0.2	89.0	0.3	1,017.0	0.5	(S)	0.2	144.2	2.1	-	3715
2,127.2	6.3	843.1	3.4	1,284.1	2.9	27,303.1	12.3	3.7	3.3	8,401.5	79.2	(S)	372
425.0	1.5	210.0	1.0	215.0	0.5	15,002.3	5.8	2.7	0.3	3,479.9	28.1	(S)	3721
1,208.5	3.4	489.7	1.8	718.8	1.6	5,337.7	3.0	0.6	1.1	2,629.7	25.7	-	3722
493.7	1.4	143.4	0.6	350.3	0.8	6,963.1	3.5	0.4	1.9	2,291.9	25.4	(S)	3729
827.8	2.8	323.4	1.5	504.4	1.4	3,660.0	2.4	(S)	1.9	1,346.3	16.0	(S)	373
771.7	2.5	284.0	1.3	487.7	1.3	3,000.0	2.0	(S)	0.7	1,168.9	13.3	(S)	3731
56.1	0.3	39.4	0.2	16.7	0.1	660.0	0.4	(S)	1.2	177.4	2.7	-	3732
478.2	2.1	330.3	1.4	147.9	0.7	3,864.8	2.1	(S)	0.7	570.7	6.7	(S)	374
183.3	0.8	(S)	(S)	(S)	(S)	357.3	0.2	-	-	136.4	1.3	(S)	3741
294.9	1.3	(S)	(S)	(S)	(S)	3,507.5	1.9	(S)	0.7	434.3	5.4	(S)	3742
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.6	229.6	4.1	-	379
238.3	0.8	167.6	0.6	70.7	0.2	2,652.4	1.7	5.6	13.6	2,493.3	34.1	589.2	38
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.4	298.7	4.2	(S)	3811
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.4	622.8	8.6	(S)	382
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.3	399.2	5.9	(S)	3821
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	384.2	5.7	-	384
238.3	0.8	167.6	0.6	70.7	0.2	2,652.4	1.7	5.6	1.4	776.8	9.3	575.4	3861
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	20.6	2,472.5	37.9	8.0	39
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.3	264.7	4.1	(S)	391
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4.6	752.1	11.2	(S)	394
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	369.3	5.8	-	3941
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.2	304.0	4.1	(S)	3949
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.6	235.0	3.6	(S)	395
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.6	279.5	4.3	(S)	396
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	9.4	816.3	12.8	6.3	399
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.8	228.2	4.3	-	3993
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.5	250.4	4.1	(S)	3999
(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.9	4,110.6	39.4	(S)	19

[1]Represents the quantity of purchased electricity plus the kilowatt-hours equivalent of purchased fuels used for heat and power.

[2]Data either were not obtained for detailed fuels consumed by establishments in this industry or industry group or the reported cost of fuel was less than $1 million. However, since these industries used substantial quantities of electric energy, data are shown for the total cost of fuels consumed and for quantity and cost of purchased electricity.

[3]Includes an estimated 113,800 million cubic feet of coke-oven gas and 74,305 million cubic feet of blast-furnace gas. The remainder is natural gas.

TABLE 5. Fuels Produced and Consumed by the Petroleum Refining (SIC 2911) and Blast Furnaces, Steel Works and Rolling and Finishing Mills (SIC 331) Industries, by Industry, 1967 and 1963, and by Industry and Geographic Area, 1962 and 1958

Geographic area	Year	Gas				Coke and breeze[1] (1,000 short tons)
		Total (million cu. ft.)	Blast furnace and coke oven gas[1] (million cu. ft.)	Still gas[2] Quantity (million cu. ft.)	Still gas[2] Estimated market value ($1,000)	
United States, total	1967[3]	6,331,070	5,616,502	714,568	190,898	47,542
	1963[3]	5,586,354	4,832,200	754,154	199,430	36,110
	1962	5,032,993	4,256,642	776,351	223,057	38,194
	1958	5,515,488	4,838,518	676,970	206,495	36,221
Northeast Region	1962	1,494,630	1,415,637	78,993	28,903	10,452
	1958	1,703,204	1,614,591	88,613	33,509	10,916
Pennsylvania	1962	959,752	915,952	43,800	17,068	8,540
	1958	1,369,373	1,327,948	41,425	19,797	8,720
North Central Region	1962	1,756,352	1,582,429	173,923	65,578	17,006
	1958	2,044,715	1,867,010	177,705	64,758	15,326
Ohio	1962	975,758	934,023	41,735	20,136	5,669
	1958	(D)	710,043	(D)	(D)	4,829
Indiana	1962	225,062	205,305	19,757	7,943	6,512
	1958	639,696	600,840	38,856	15,947	6,381
Illinois	1962	247,229	176,618	70,611	25,640	1,948
	1958	349,751	282,128	67,623	23,485	1,765
South Region	1962	1,292,605	930,667	361,938	76,552	8,107
	1958	1,281,453	1,015,280	266,173	60,087	7,254
Oklahoma	1962	35,143	-	35,143	6,314	-
	1958	34,463	-	34,463	5,288	-
Texas	1962	(D)	(D)	230,894	50,070	(D)
	1958	(D)	(D)	156,789	35,475	(D)
West Region	1962	489,406	327,909	161,497	52,024	2,629
	1958	486,116	341,637	144,479	48,141	2,725
Montana	1962	5,441	-	5,441	1,449	-
	1958	4,226	-	4,226	1,535	-
Wyoming	1962	9,247	-	9,247	1,907	-
	1958	8,033	-	8,033	1,899	-
California	1962	(D)	(D)	121,246	41,245	(D)
	1958	(D)	(D)	116,097	39,825	(D)

Note: Detailed figures may not add to totals because of independent rounding.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (S) Withheld because the estimate did not meet publication standards for one or more of the following reasons: The standard error associated with the figure was too high (generally in excess of 25 percent); to avoid disclosing figures of individual companies; or on the basis of a general consistency review.

[1]Represents fuels produced and consumed by the Blast Furnaces, Steel Works, and Rolling and Finishing Mills Industries (SIC 331).

TABLE 5. **Fuels Produced and Consumed by the Petroleum Refining (SIC 2911) and Blast Furnaces, Steel Works and Rolling and Finishing Mills (SIC 331) Industries, by Industry, 1967 and 1963, and by Industry and Geographic Area, 1962 and 1958**—Continued

Geographic area	Year	Other fuels[2]					
		Residual oil		Petroleum coke[4]		Other fuels (acid sludge, tar, etc.)[4]	
		Quantity (1,000 barrels of 42 gallons)	Estimated market value ($1,000)	Quantity[5] (1,000 barrels of 42 gallons)	Estimated market value ($1,000)	Quantity (1,000 barrels of 42 gallons)	Estimated market value ($1,000)
United States, total	1967[3]	[6]41,638	[6]70,289	(NA)	(NA)	[6]42,055	[6]54,591
	1963[3]	42,278	75,438	(NA)	(NA)	30,640	39,666
	1962	34,582	71,517	33,304	51,778	7,523	9,742
	1958	43,147	95,836	(NA)	(NA)	17,415	25,021
Northeast Region	1962	10,581	19,948	3,247	7,790	1,313	1,293
	1958	12,769	29,627	(NA)	(NA)	(D)	(D)
Pennsylvania	1962	5,955	10,531	(S)	(S)	(S)	(S)
	1958	6,598	15,639	(NA)	(NA)	(D)	(D)
North Central Region	1962	13,017	31,869	9,162	19,138	2,099	3,357
	1958	16,997	41,401	(NA)	(NA)	(D)	(D)
Ohio	1962	1,623	4,452	2,658	7,925	405	810
	1958	2,394	5,862	(NA)	(NA)	1,639	3,457
Indiana	1962	4,418	11,446	(S)	(S)	(S)	(S)
	1958	5,593	15,534	(NA)	(NA)	(D)	(D)
Illinois	1962	2,533	5,778	2,411	3,642	776	1,322
	1958	3,343	7,508	(NA)	(NA)	(D)	(D)
South Region	1962	1,245	2,326	17,829	21,507	3,019	3,413
	1958	1,803	2,994	(NA)	(NA)	7,851	9,006
Oklahoma	1962	27	52	865	676	798	474
	1958	340	296	(NA)	(NA)	(D)	(D)
Texas	1962	686	988	10,999	13,824	1,718	2,156
	1958	640	777	(NA)	(NA)	4,850	5,470
West Region	1962	9,739	17,374	3,066	3,343	1,092	1,679
	1958	11,578	21,814	(NA)	(NA)	1,163	1,749
Montana	1962	424	657	657	(S)	(S)	(S)
	1958	745	1,078	(NA)	(NA)	(D)	(D)
Wyoming	1962	598	1,062	383	323	(S)	(S)
	1958	1,207	1,512	(NA)	(NA)	(D)	(D)
California	1962	6,467	11,193	1,067	844	84	313
	1958	7,938	16,080	(NA)	(NA)	(D)	(D)

[2]Represents fuels produced and consumed by the Petroleum Refining Industry (SIC 2911).
[3]Distribution of 1963 and 1967 data by geographic area are not available.
[4]Separate data for petroleum coke were obtained only for 1962. For other years, data for some, but not all petroleum coke produced and consumed are included with "Other fuels."
[5]Data for 1962 were originally reported in short tons but for comparative purposes were converted to barrels at a ratio of 1 ton equal to 5 barrels.
[6]Acid sludge is included with residual oil.

TABLE 6. Selected Purchased Fuels Converted to Other Fuel Types or Consumed as Raw Materials, for Selected Industries: 1967, 1963, 1962, 1958, and 1954

Type of fuel	Year	Unit of measure	Total		Industry or industry group			
					Basic chemicals (SIC 281)		Carbon black (SIC 2895)	
			Quantity	Cost (million dollars)	Quantity	Cost (million dollars)	Quantity	Cost (million dollars)
Total cost of selected fuels	1967		(X)	[1]12,842.0	(X)	209.5	(X)	43.9
	1963		(X)	[1]10,955.7	(X)	152.8	(X)	39.7
	1962		(X)	11,633.5	(X)	120.2	(X)	38.0
	1958		(X)	[1]10,108.5	(X)	[1]62.8	(X)	34.0
	1954		(X)	[1]8,544.3	(X)	[1]44.0	(X)	28.0
Coal (anthracite, bituminous, lignite)	1967	1,000 short tons	[1]92,940	[1]887.9	1,073	8.1	-	-
	1963	...do	[1]76,254	[1]687.6	(NA)	9.7	-	-
	1962	...do	71,470	676.8	308	2.4	-	-
	1958	...do	77,817	741.4	425	2.3	-	-
	1954	...do	85,441	761.6	182	0.8	-	-
Coke, screenings and breeze	1967	...do	1,390	27.9	1,390	27.9	-	-
	1963	...do	1,026	28.6	1,026	28.6	-	-
	1962	...do	1,122	21.6	1,122	21.6	-	-
	1958	...do	1,265	21.7	1,265	21.7	-	-
	1954	...do	1,860	26.6	1,860	26.6	-	-
Crude petroleum, total[2]	1967	Million barrels (42 gallons)	3,621	11,246.8	-	-	-	-
	1963	...do	3,156	9,743.6	-	-	-	-
	1962	...do	3,198	10,437.7	-	-	-	-
	1958	...do	2,850	9,180.0	-	-	-	-
	1954	...do	2,499	7,638.9	-	-	-	-
Domestic[2]	1967	...do	3,203	9,981.8	-	-	-	-
	1963	...do	2,743	8,487.3	-	-	-	-
	1962	...do	2,791	9,202.0	-	-	-	-
	1958	...do	2,495	8,068.6	-	-	-	-
	1954	...do	2,289	6,995.8	-	-	-	-
Fuel oil	1967	1,000 barrels (42 gallons)	11,080	31.5	700	2.0	10,380	29.5
	1963	...do	(NA)	25.5	(NA)	1.2	8,204	24.3
	1962	...do	8,252	24.2	584	1.6	7,668	22.5
	1958	...do	6,048	17.8	193	0.8	5,855	16.9
	1954	...do	3,960	11.0	178	0.5	3,782	10.5
Natural gas	1967	Million cu. ft.	607,119	150.5	502,753	136.1	104,366	14.4
	1963	...do	(NA)	102.3	(NA)	86.9	124,571	15.4
	1962	...do	300,072	64.0	166,250	48.5	133,822	15.5
	1958	...do	365,237	55.1	162,502	38.0	202,735	17.1
	1954	...do	338,101	33.7	86,484	16.2	215,617	17.5
Liquefied petroleum gas	1967	1,000 barrels (42 gallons)	(NA)	497.4	(NA)	35.4	-	-
	1963	...do	(NA)	368.1	(NA)	26.4	-	-
	1962	...do	188,740	409.1	27,894	46.0	-	-
	1958	...do	[1]33,021	[1]92.5	(NA)	(NA)	-	-
	1954	...do	[1]26,567	[1]72.6	(NA)	(NA)	-	-

See footnotes at end of table.

TABLE 6. Selected Purchased Fuels Converted to Other Fuel Types or Consumed as Raw Materials, for Selected Industries: 1967, 1963, 1962, 1958, and 1954—Continued

Type of fuel	Year	Unit of measure	Industry or industry group—Continued					
			Petroleum refining (SIC 2911)		Petroleum and coal products, n.e.c. (SIC 2999)		Blast furnaces, steel works and rolling and finishing mills (SIC 331)	
			Quantity	Cost (million dollars)	Quantity	Cost (million dollars)	Quantity	Cost (million dollars)
Total cost of selected fuels	1967	...	(X)	11,708.8	(X)	(NA)	(X)	879.0
	1963	...	(X)	10,085.3	(X)	(NA)	(X)	677.9
	1962	...	(X)	10,800.9	(X)	3.4	(X)	671.0
	1958	...	(X)	9,272.5	(X)	7.9	(X)	731.2
	1954	...	(X)	7,711.4	(X)	7.9	(X)	752.9
Coal (anthracite, bituminous, lignite)	1967	1,000 short tons	-	-	(NA)	(NA)	91,867	879.8
	1963	...do	-	-	(NA)	(NA)	76,254	677.9
	1962	...do	-	-	406	3.4	70,756	671.0
	1958	...do	-	-	1,080	7.9	76,311	731.2
	1954	...do	-	-	1,255	7.9	84.004	752.9
Coke, screenings and breeze	1967	...do	-	-	-	-	-	-
	1963	...do	-	-	-	-	-	-
	1962	...do	-	-	-	-	-	-
	1958	...do	-	-	-	-	-	-
	1954	...do	-	-	-	-	-	-
Crude petroleum, total[2]	1967	Million barrels (42 gallons)	3,621	11,246.8	-	-	-	-
	1963	...do	3,156	9,743.6	-	-	-	-
	1962	...do	3,198	10,437.7	-	-	-	-
	1958	...do	2,850	9,180.0	-	-	-	-
	1954	...do	2,499	7,638.9	-	-	-	-
Domestic[2]	1967	...do	3,203	9,981.8	-	-	-	-
	1963	...do	2,743	8,487.3	-	-	-	-
	1962	...do	2,791	9,202.0	-	-	-	-
	1958	...do	2,495	8,068.6	-	-	-	-
	1954	...do	2,289	6,995.8	-	-	-	-
Fuel oil	1967	1,000 barrels (42 gallons)	-	-	--	-	-	-
	1963	...do	-	-	-	-	-	-
	1962	...do	-	-	-	-	-	-
	1958	...do	-	-	-	-	-	-
	1954	...do	-	-	-	-	-	-
Natural gas	1967	Million cu. ft.	-	-	-	-	-	-
	1963	...do	-	-	-	-	-	-
	1962	...do	-	-	-	-	-	-
	1958	...do	-	-	-	-	-	-
	1954	...do	-	-	-	-	-	-
Liquefied petroleum gas	1967	1,000 barrels (42 gallons)	176,900	462.0	-	-	-	-
	1963	...do	134,436	341.7	-	-	-	-
	1962	...do	160,846	363.0	-	-	-	-
	1958	...do	[1]33,021	92.5	-	-	-	-
	1954	...do	[1]26,567	72.6	-	-	-	-

Note: Detailed figures may not add to totals because of independent rounding. - Represents zero. (NA) Not available. (X) Not applicable.

[1] Excludes figures for fuels marked (NA).

[2] The differences between the figures for "Crude petroleum, total" and "Domestic" are accounted for by crude petroleum purchased from foreign sources.